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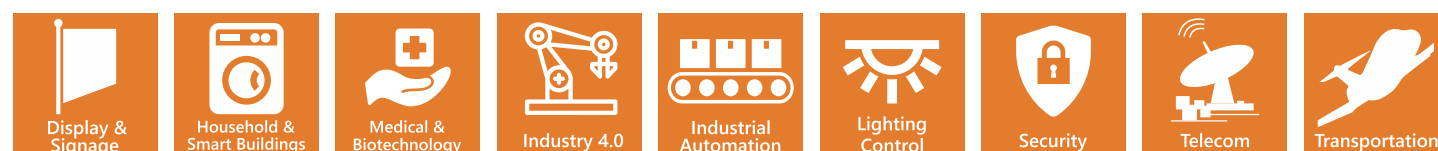


SELECTION GUIDE

Ambition, Reliability, Commitment, High Quality



9001:2015
14001:2015
13485:2016



Please Contact Local Distributor

Issued Date: Sep., 2022 (Ver. 21)

- AC-DC Power Module
- AC-DC Switching Power Supply
- DC-DC Converter



Issued Date: Sep., 2022 (Ver. 21)

AC-DC ITE Power Module

Series Name	Output Voltage & Output Type		Option
AJC	3.3	S	A2
AFC20N (for) AFCV20 (A) AFCH25 AHC AHCH05 / 10 AIC AJC (for) AJCV100 AKC ANC50 / ANCH50 AOC / AOCH (A) AOCH05 / AOCH10 (A) AOD10 APCN (A) ARC60 (for) ARCV60 (A) ATC30 / ATCH30 (for) ATCV40 AUC AVC AYZ AZC	Single: 3.3S=3.3 Vdc 5S=5 Vdc 5.1S=5.1 Vdc 7.35S=7.35 Vdc 8S=8 Vdc 9S=9 Vdc 12S=12 Vdc 14S=14 Vdc 15S=15 Vdc 24S=24 Vdc 48S=48 Vdc Triple: 5S12D=5 / ±12 Vdc 5S15D=5 / ±15 Vdc	Dual: 5D=±5 Vdc 12D=±12 Vdc 15D=±15 Vdc 5S3.3S= 5 / 3.3 Vdc 5S12S= 5 / 12 Vdc 5S24S= 5 / 24 Vdc 8S5S= 8 / 5 Vdc 12S5S= 12 / 5 Vdc	Screw Terminal Input Output A2= for AFCH25 / AHCH05 / AHCH10 / AJC / AKC / ANCH50 / ARC60 / ATCH30 / MFC15 / MQC150 / MSC60 / MTC30 / MZC20

Series Name	Output Power	Output Voltage & Output Type
AFCV	20	12 S
AFCV AJCV AQF ARCV ATCV	20=20 watts 40=40 watts 60=60 watts 100=100 watts 1000=1000 watts	Single: 5S=5 Vdc 12S=12 Vdc 15S=15 Vdc 24S=24 Vdc Dual: 12D=±12 Vdc 15D=±15 Vdc 5S12S= 5 / 12 Vdc

Series Name	Suitable Power	Rated Current
FA	150	1
FA	150=1~150 watts	1=2A (Circuit:Class I) 2=2A (Circuit:Class II) 3=1A (Circuit:Class II)

AC-DC Household Power Module

Series Name	Output Power	Output Voltage & Output Type	Option
AFCH	25	12 S	A2
AFCH ANCH AOCH AOD ARC	5=5 watts 10=10 watts 25=25 watts 30=30 watts 50=50 watts 60=60 watts	Single: 3.3S=3.3 Vdc 5S=5 Vdc 5.1S=5.1 Vdc 12S=12 Vdc 15S=15 Vdc 24S=24 Vdc	Screw Terminal for AFCH25 / ANCH50 / ARC60 / ATCH30 Input Output A2=

AC-DC Medical Power Module

Series Name	Output Power	Output Voltage & Output Type	Option	Option
MFC	15	12 S	E1	A2
MFC MQC MQCS MSC MTC MZC	15=15 watts 20=20 watts 30=30 watts 60=60 watts 100=100 watts 150=150 watts	Single: 3.3S=3.3 Vdc 5S=5 Vdc 7.35S=7.35 Vdc 9S=9 Vdc 12S=12 Vdc 15S=15 Vdc 24S=24 Vdc 48S=48 Vdc Triple: 5S12D=5 / ±12 Vdc 5S15D=5 / ±15 Vdc	E1=Operating Starts at -40°C for MTC (15W) / MSC (40W)	Screw Terminal for MFC15 / MZC20 / MTC30 / MSC60 MQCS100 / MQC150 Input Output A2=

AC-DC Medical Switching Power Supply

Series Name	Output Power	Package Type	Output Voltage & Output Type
MQF	240	O	12 S
MQF	120=120 watts 240=240 watts 500=500 watts	E=Enclosed O=Open Frame U=U Bracket	Single: 12S=12 Vdc 15S=15 Vdc 24S=24 Vdc 48S=48 Vdc

AC-DC Switching Power Supply

Series Name	Output Power	Package Type	Output Voltage & Output Type	Option
AQF	120	O	5 S	DRK
AQF ARF SZA	60=60 watts 120=120 watts 130=130 watts 240=240 watts 500=500 watts 700=7000 watts (for) 1000=1000 watts	C=Current Share Function (for AQF700) E=Enclosed O=Open Frame U=U Bracket	Single: 5S=5 Vdc 12S=12 Vdc 15S=15 Vdc 24S=24 Vdc 28S=28 Vdc 32S=32 Vdc 36S=36 Vdc 48S=48 Vdc 54S=54 Vdc	Din Rail Kit (Enclosed Package Type)

DC-DC Converter

Series Name	Output Power	4:1 Wide Input Range	Input Voltage	Output Voltage & Output Type	with Heatsink	Option
SW	20	F	24	12 S	X	A2
SP ST SW ZB ZC	5=5 watts 10=10 watts 15=15 watts 20=20 watts 15=15 watts 30=30 watts 50=50 watts 60=60 watts	4:1 Wide Input Range	2:1 Range 12=12 Vdc (9~18Vdc) 24=24Vdc (18~36Vdc) 48=48Vdc (36~75Vdc)	4:1 Range 24F=24 Vdc (9~36Vdc) 48F=48Vdc (18~75Vdc)	Single: 3.3S=3.3 Vdc 5S=5 Vdc 12S=12 Vdc 15S=15 Vdc 24S=24 Vdc Dual: 5D=±5 Vdc 12D=±12 Vdc 15D=±15 Vdc	X=with Heatsink Screw Terminal for ST50F / ST60 / SW20F / SW30F A2= A5=

New Products



20
Watts

AFCV20 Series

Page 18



OVC III Power Module

- * 20W to 100W encapsulated power module
- * Isolation 4.3KV
- * Operating altitude 5000m
- * Class II (double isolation) configuration with universal AC input 90 to 305V
- * High efficiency up to 94%
- * Extreme low temperature cold start at -40°C and up to +85°C for harsh environments
- * Comply with EMC standards without external filters and have low no-load and standby power consumption
- * Major safety approvals include IEC/EN/UL 62368-1, IEC/EN 60335-1, IEC/EN 61558-1 and IEC/EN 61558-2-16

40
Watts

ATCV40 Series

Page 22



60
Watts

ARCV60 Series

Page 24



100
Watts

AJCV100 Series

Page 26



AQF1000 Series

Page 53



1000
Watts

OVC III Switching Power Supply

- * Enclosed Package
- * Isolation 4.3KV
- * Operating altitude 5000m (OVC III:2000m)
- * Remote ON/OFF Functionf
- * High Efficiency up to 93%
- * With P.F.C. Function > 0.9
- * Standby 5V@1A
- * Major safety approvals include IEC/EN/UL 62368-1



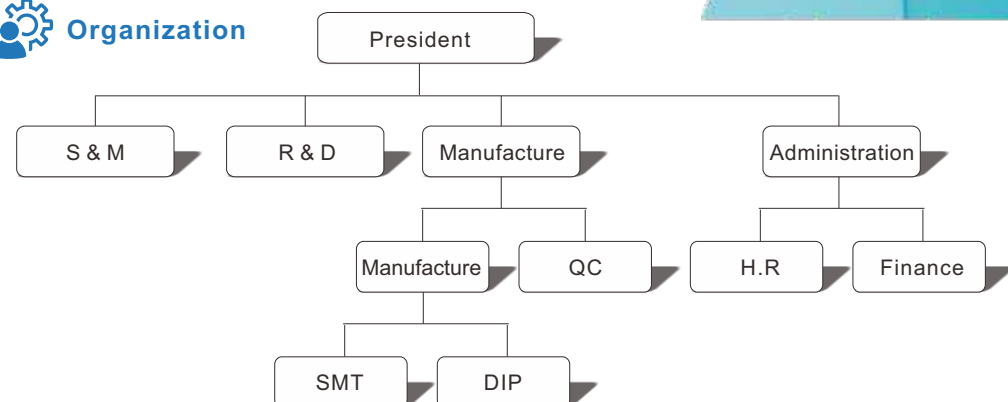
ABOUT ARCH

ARCH Electronics Corp. is a Taiwanese power supply expert with headquarters based in Taipei, Taiwan. With 37 years experience in the industry, we are committed to designing and manufacturing high quality AC/DC and DC/DC power supply products. Our mission is to provide the most reliable power solution in the market, along with high efficiency, high density and high reliability.

We currently offer AC/DC encapsulated power module, switching power supply, medical power supply and DC/DC converter. In order to assure the high quality and safety of our products, manufacturing facilities in Taipei is certified to ISO9001, ISO14001 and ISO13485. We are determined and committed to providing customers not merely a solution, but also total satisfaction and trustworthiness.



Organization



Certifications



Quotation & Order

ARCH sales respond the inquiries in 24 hours for the standard products. For O.D.M. Projects with complete specifications, ARCH will quote within 5 days.

Purchase orders must be placed to ARCH by e-mail or fax. To avoid any misunderstanding or confusion, ARCH would not accept orders by oral discussion.

For order confirmation, ARCH will provide Proforma Invoice with shipping schedule by e-mail or fax. If you fail to receive the Proforma Invoice, please contact ARCH within 3 working days

Delivery & Return

Most of our standard products are available to order from stock and small quantity can be shipped no later than 5 working days.

A customer's rejected product returned for repair shall have a RMA (Return Merchandise Authorization) number.

Any returns of defective units without valid RMA numbers will not be accepted; they will be returned to the customer at the customer's cost without prior notice. The freight charge for all returned defective units must be prepaid by customers unless prior confirmation by ARCH.

Warranty

ARCH warrants its products to be free from defects in material and workmanship for three (3) years from the date of shipment, Customers may consider return for credit or replacement; please contact ARCH' sales for further information.

For any product problem, please contact ARCH's sales for failure analysis or RMA report if required.

Attention

Information furnished by ARCH is believed to be accurate and reliable. If there is any discrepancy between the data displayed in the catalogue and the specification sheets, the specification sheets in PDF file launched on ARCH's website www.archcorp.com.tw should prevail.

For continuing product improvement, ARCH reserves the right to revise any information in the catalogue and specification sheets without any prior notification.

ODM Welcome

ARCH is a professional Taiwan based power supply manufacturer, two factories in Taipei and China, certified to ISO-9001, ISO-14001 and ISO-13485. ARCH has its own SMT and DIP production lines in Taiwan, operated by well trained production employees, and performs stringent complete quality process.

Our R&D team has served as a core pillar of ARCH's success throughout the years. Our enthusiastic and highly knowledgeable R&D team will provide you unmatched technical support in developing products that meet your functional and quality expectations.

Please contact ARCH via sales@archcorp.com.tw for details, ARCH assures you of its best service at all times.

Certifications

ISO 9001:2015
ISO 14001:2015
ISO 13485:2016
CE Approved
UL Authorization
CB Authorization
RoHS Compliance

ARCH, Your Reliable Business Partner

- * ARCH produces high efficiency, high density, compact size and high cost-effective power supply to satisfy various application requirements.
- * ARCH products provide universal input voltage range from 85VAC to 305VAC.
- * ARCH offers diversified mechanical configurations of same power wattage; facilitates the application of end customer's design.
- * ARCH products are fully compliant with updated CE, UL and CB safety approval.
- * ARCH adheres to high level quality control through stringent design and manufacturing process validation, so as to meet the specific requirements from OEM and ODM partners.
- * ARCH offers flexibility to partners with low volume high mix orders.
- * ARCH team responds to customers' inquiries efficiently within 24 hours.

AC-DC ITE Power Module

■ = New Model, ■ = Current Model

Output Power	Series	I/P Voltage Range(V.AC)	Output Voltage Range (V.DC)		Isolation Voltage (V.AC)	Operating Temperature	Dimensions (mm)	Page
2W	AYC	90~305	S	3.3、5、9、12、15、24	3000	-40°C~80°C	33.7 x 22.2 x 17.0 CE _{UL} CB	8
	AZC	90~305	S	3.3、5、9、12、15、24	3000	-40°C~80°C	28.8 x 26.1 x 17.3 CE _{UL} CB	8
3W	AIC	90~264	S	3.3、5、9、12、15、24	3000	-40°C~85°C	35.7 x 19.0 x 22.0 CE _{UL} CB	9
4W	AOC	90~264	S	3.3、5、8、9、12、14、15、24	3000	-40°C~70°C	37.0 x 27.5 x 17.5 CE _{UL} CB	10
			D	5/3.3、8/5、12/5				
	AOC	90~305	S	3.3、5、8、9、12、14、15、24	3000	-40°C~70°C	37.0 x 27.5 x 17.5 CE _{UL} CB	10
	AOC	90~305	D	5/3.3、8/5、12/5				
5W	AHC	90~264	S	3.3、5、12、15、24	3000	-25°C~70°C	51.2 x 25.8 x 15.4 CE _{UL} CB	12
	AHCH05	90~305	S	3.3、5、12、24	4000	-40°C~85°C	51.82 x 26.42 x 16.51 CE _{UL} CB	12
	AHCH05	90~305	S	3.3、5、12、24	4000	-40°C~70°C	37.0 x 27.5 x 17.5 CE _{UL} CB	12
7W	AUC	90~264	S	5、12、15、24	3000	-40°C~70°C	27.4 x 27.4 x 18.7 CE _{UL} CB	12
10W	AHCH10	90~305	S	5、12、15、24	4000	-40°C~85°C	52.2 x 26.8 x 19.0 CE _{UL} CB	14
	AHCH10	90~305	S	5、12、15、24	4000	-40°C~70°C	37.0 x 27.5 x 20.0 CE _{UL} CB	14
	AHCH10	90~264	S	5、12、15、24	3000	-40°C~70°C	37.0 x 27.5 x 20.0 CE _{UL} CB	14
15W	AVC	90~264	S	5、12、15、24	4000	-40°C~70°C	41.2 x 27.2 x 19.1 CE _{UL} CB	16
	APCN	90~264	S	5、12、15、24	4000	-40°C~70°C	54.7 x 44.9 x 21.0 CE _{UL} CB	16
20W	AFC20N	90~264	S	3.3、5、12、15、24	3000	-40°C~70°C	52.5 x 27.5 x 23.5 CE _{UL} CB	18
	AFCV20	90~305	S	5、12、15、24	4300	-40°C~85°C	52.5 x 27.5 x 23.5 CE _{UL} CB	18
	AFCV20	90~305	D	5/12、±12、±15				
	AKC	90~264	S	3.3、5、7.35、9、12、15、24	3000	-25°C~70°C	69.5 x 47.5 x 21.7 CE _{UL} CB	18
			D	±5、±12、±15				
			T	5/±12、5/±15				
25W	AFCH25	90~305	S	5.1、12、15、24	4000	-40°C~70°C	52.5 x 27.5 x 23.5 CE _{UL} CB	20
30W	ATC30	90~305	S	3.3、5、12、15、24	3000	-40°C~70°C	64.1 x 45.6 x 23.5 CE _{UL} CB	20
	ATCH30	90~305	S	5.1、12、15、24	4000	-40°C~85°C	64.3 x 45.1 x 21.7 CE _{UL} CB	20
40W	AJC	90~264	S	3.3、5、9、12、15、24	3000	-40°C~70°C	89.5 x 64.1 x 25.0 CE _{UL} CB	22
			D	±5、±12、±15、5/12、5/24				
			T	5/±12、5/±15				
	ATCV40	90~305	S	12、15、24	4300	-40°C~85°C	64.1 x 45.6 x 23.5 CE _{UL} CB	22
	ATCV40	90~305	S	12、15、24				
50W	ANC50	90~264	S	5、12、15、24、48	3000	-40°C~70°C	74.1 x 54.1 x 21.8 CE _{UL} CB	24
	ANCH50	90~305	S	12、15、24	4000	-40°C~70°C	74.2 x 47.0 x 23.1 CE _{UL} CB	24
60W	ARC60	90~264	S	12、15、24	4000	-40°C~85°C	74.2 x 47.0 x 23.1 CE _{UL} CB	24
	ARCV60	90~305	S	12、15、24	4300	-40°C~85°C	74.2 x 47.0 x 23.1 CE _{UL} CB	24
100W	AJCV100	90~264	S	12、24、48	4300	-40°C~85°C	89.0 x 63.5 x 27.0 CE _{UL} CB	26

AC-DC OVC III Power Module

■ = New Model, ■ = Current Model

Output Power	Series	I/P Voltage Range(V.AC)	Output Voltage Range (V.DC)		Isolation Voltage (V.AC)	Operating Temperature	Dimensions (mm)	Page
20W	 NEW AFCV20	90~305	S	5、12、15、24	4300	-40°C~85°C	52.5 x 27.5 x 23.5	28
			D	5/12、±12、±15			 CB 	
40W	 NEW ATCV40	90~305	S	12、15、24	4300	-40°C~85°C	64.1 x 45.6 x 23.5	28
							 CB 	
60W	 NEW ARCV60	90~305	S	12、15、24	4300	-40°C~85°C	74.2 x 47.0 x 23.1	28
							 CB 	
100W	 NEW AJCV100	90~264	S	12、24、48	4300	-40°C~85°C	89.0 x 63.5 x 27.0	28
							 CB 	

AC-DC Household Power Module

■ = New Model, ■ = Current Model

Output Power	Series	I/P Voltage Range(V.AC)	Output Voltage Range (V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions (mm)	Page
5W	AOCH05	90~305	S 3.3、5、12、24	4000	-40°C~70°C	37.0 x 27.5 x 17.5 CE _{UL} CB	30
10W	AOCH10	90~305	S 5、12、15、24	4000	-40°C~70°C	37.0 x 27.5 x 20.0 CE _{UL} CB	30
	AOD10	90~264	S 5、12、15、24	3000	-40°C~70°C	37.0 x 27.5 x 20.0 CE _{UL} CB	
25W	AFCH25	90~305	S 5.1、12、15、24	4000	-40°C~70°C	52.5 x 27.5 x 23.5 CE _{UL} CB	30
30W	ATCH30	90~305	S 5.1、12、15、24	4000	-40°C~85°C	64.3 x 45.1 x 21.7 CE _{UL} CB	32
50W	ANCH50	90~305	S 12、15、24	4000	-40°C~70°C	74.2 x 47.0 x 23.1 CE _{UL} CB	32
60W	ARC60	90~264	S 12、15、24	4000	-40°C~85°C	74.2 x 47.0 x 23.1 CE _{UL} CB	32

AC-DC Medical Power Module

■ = New Model, ■ = Current Model

Output Power	Series	I/P Voltage Range(V.AC)	Output Voltage Range (V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions (mm)	Page
15W	MFC15	90~264	S 5、9、12、15、24	4000	-40°C~80°C	52.5 x 27.5 x 23.5 CE _{UL} CB	34
	MTC	90~264	S 3.3、5、7.35、9、12、15、24 D ±5、±12、±15 T 5/±12、5/±15	4000	-25°C~70°C	64.1 x 45.6 x 23.5 CE _{UL} CB	
20W	MZC20	90~264	S 12、24	4000	-40°C~80°C	52.5 x 27.5 x 23.5 CE _{UL} CB	34
30W	MTC30	90~264	S 5、12、15、24	4000	-40°C~80°C	64.1 x 45.6 x 23.5 CE _{UL} CB	36
40W	MSC	90~264	S 3.3、5、9、12、15、24 D ±5、±12、±15、5/12、5/24 T 5/±12、5/±15	4000	-25°C~70°C	89.0 x 63.5 x 27.0 CE _{UL} CB	36
60W	MSC60	90~264	S 5、9、12、15、24	4000	-40°C~80°C	89.0 x 63.5 x 27.0 CE _{UL} CB	36
100W	MQCS100	90~264	S 12、24、48	4000	-30°C~70°C	83.5 x 58.2 x 35.0 CE _{UL} CB	38
150W	MQC150	90~264	S 12、24、48	4000	-30°C~70°C	109.0 x 58.5 x 35.0 CE _{UL} CB	38

AC-DC ITE Switching Power Supply

= New Model, = Current Model

Output Power	Series	Package Type	I/P Voltage Range(V.AC)	Output Voltage Range (V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions (mm)	Page
60W	SAZ600	Open Frame	90~264	5、12、15、24、48	3000	-30°C~70°C	76.3 x 50.6 x 31.5 CB	40
	SAZ60U	U Bracket	90~264	5、12、15、24、48	3000	-30°C~70°C	80.0 x 59.7 x 38.0 CB	40
120W 180W	AQF1200	Open Frame	90~264	5、12、15、24、48	4000	-25°C~70°C	127.0 x 76.2 x 29.5 CB	42
	AQF120U AQF120E	U Bracket Enclosed	90~264	5、12、15、24、48	4000	-25°C~70°C	127.0 x 82.2 x 38.1 CB	42
130W	ARF1300	Open Frame	90~264	12、24、48	4000	-30°C~70°C	91.19 x 54.61 x 34.6 CB	44
	ARF130U	U Bracket	90~264	12、24、48	4000	-30°C~80°C	80.0 x 59.7 x 38.0 CB	44
	ARF130E	Enclosed	90~264	12、24、48	4000	-30°C~80°C	80.0 x 59.7 x 43.2 CB	44
240W	AQF240U AQF240E	U Bracket Enclosed	90~264	5(AQF240E only)、 12、15、24、28、32、 36、48	4000	-10°C~70°C	150.0 x 106.0 x 35.0 CB	46
	ARF2400	Open Frame	90~264	12、24、48	4000	-30°C~80°C	101.9 x 52.1 x 27.6 CB	48
	ARF240U ARF240E	U Bracket Enclosed	90~264	12、24、48	4000	-30°C~80°C	104.0 x 62.5 x 39.2 CB	48
500W	ARF500U	U Bracket	90~264	12、24、48	4000	-30°C~80°C	130.0 x 83.0 x 40.0 CB	50
	ARF500E	Enclosed	90~264	12、24、48	4000	-30°C~70°C	130.0 x 83.0 x 62.3 CB	50
700W	AQF700 AQF700C	Enclosed	90~264	12、15、24、28、48	4000	-30°C~70°C	170.2 x 93.0 x 41.0 CB	52
	 AQF1000	Enclosed	90~264	12、24、48	4300	-20°C~70°C	194.5 x 102.0 x 41.0 CB	53

AC-DC OVC III Switching Power Supply

= New Model, = Current Model

Output Power	Series	Package Type	I/P Voltage Range(V.AC)	Output Voltage Range (V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions (mm)	Page
1KW	 AQF1000	Enclosed	90~264	12、24、48	4300	-20°C~70°C	194.5 x 102.0 x 41.0 CB	53

AC-DC Medical Switching Power Supply

= New Model, = Current Model

Output Power	Series	Package Type	I/P Voltage Range(V.AC)	Output Voltage Range (V.DC)	Isolation Voltage (V.AC)	Operating Temperature	Dimensions (mm)	Page
120W	MQF1200	Open Frame	90~264	12、24、48	4000	-30°C~70°C	77.2 x 50.8 x 30.7 CB	54
	MQF120U	U Bracket	90~264	12、24、48	4000	-30°C~70°C	80.0 x 59.7 x 38.0 CB	54
	MQF120E	Enclosed	90~264	12、24、48	4000	-30°C~70°C	80.0 x 59.7 x 43.2 CB	54
240W	 MQF2400	Open Frame	90~264	12、15、24、48	4000	-30°C~70°C	103.9 x 52.0 x 27.6 CB	56
	 MQF240U	U Bracket	90~264	12、15、24、48	4000	-30°C~70°C	104.0 x 62.0 x 39.2 CB	56
	 MQF240E	Enclosed	90~264	12、15、24、48	4000	-30°C~70°C	104.0 x 62.0 x 50.5 CB	56
500W	 MQF5000	Open Frame	90~264	12、15、24、48	4000	-30°C~70°C	127.8 x 76.2 x 35.0 CB	58
	 MQF500U	U Bracket	90~264	12、15、24、48	4000	-30°C~70°C	139.7 x 82.55 x 40.6 CB	58
	 MQF500E	Enclosed	90~264	12、15、24、48	4000	-30°C~70°C	139.7 x 82.55 x 61.4 CB	58

DC-DC Converter

= New Model, = Current Model

Output Power	Series	Output Voltage Range (V.DC)		Output Voltage Range (V.DC)	Isolation Voltage (V.DC)	Operating Temperature	Dimensions (mm)	Page
5W	ZC05	4:1 Range 9~36 18~75		S 3.3、5、12、15、24 D ±5、±12、±15	1600	-25°C~80°C	31.8 x 20.3 x 10.2 CE	60
10W	SP10F	4:1 Range 9~36 18~75		S 5、12、15、24 D ±5、±12、±15	2250	-40°C~85°C	22.0 x 9.5 x 12.0 CE	64
15W	ZB15	2:1 Range 9~18 18~36 36~75	4:1 Range 9~36 18~75	S 3.3、5、12、15、24 D ±5、±12、±15	1600	-25°C~70°C	50.1 x 25.4 x 10.8 CE cULus	60
20W	SW20F SW20F X	4:1 Range 9~36 18~75		S 5、12、15、24	2250	-40°C~85°C	26.0 x 26.0 x 11.3 CE	61
30W	SW30F SW30F X	4:1 Range 9~36 18~75		S 5、12、15、24	2250	-40°C~85°C	26.0 x 26.0 x 11.3 CE	61
50W	ST50F ST50F X	4:1 Range 9~36 18~75		S 5、12、15、24	2250	-40°C~80°C	51.0 x 25.5 x 12.0 CE	62
60W	ST60 ST60 X	4:1 Range 18~72		S 12、15、24	1600	-40°C~80°C	52.8 x 27.5 x 13.2 CE	63

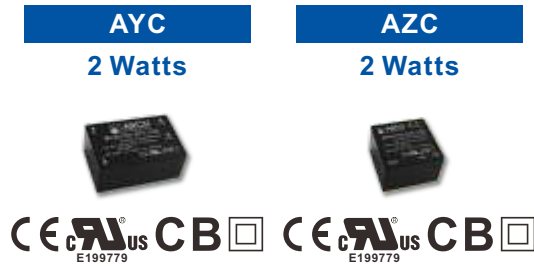
AC EMI Filter

= New Model, = Current Model

Output Power	Series	Circuit	Rated Voltage	Rated Current	Hi Pot Rating ≤5mA (1 min)	Operating Temperature	Dimensions (mm)	Page
1~150W (1~2A)	FA150	Class I and Class II	90~305 (V.AC)	1A 2A	Line to Line: 1800 VDC Line to Ground: 2000 VAC	-40°C~100°C	46.0 x 25.0 x 23.5	65

Features

- * Power Module for PCB Mountable
- * Universal Input Range 90-305VAC
- * Low No-Load Power Consumption < 0.3W
- * Low Ripple and Noise
- * Isolation Class II
- * I/O Isolation: 3000VAC
- * 3-Year Product Warranty



General specifications

Series	AYC / AZC
AC Input Voltage Range	90-305 VAC or 120-430 VDC
AC Inrush Current	30 A max. (115 VAC) / 50 A max. (230 VAC)
Leakage Current	0.25 mA (max.)
Output Voltage Accuracy	±6%
Ripple & Noise (Vp-p.)	300mV (typ.)
Over Power Protection	Hiccup technique, auto-recovery
Short Circuit Protection	Hiccup mode (automatic recovery)
Isolation (Input-Output)	3000 VAC
Operating Temperature	-40 °C to +80 °C
Temperature Coefficient	±0.02%/°C
Dimensions (L x W x H) (Tolerance ±0.5 mm)	AYC: 33.7 x 22.2 x 17.0 mm 1.33 x 0.87 x 0.67 inches AZC: 28.8 x 26.1 x 17.3 mm 1.13 x 1.03 x 0.68 inches
Cooling Method	Free air convection
Safety	IEC / EN 62368-1, UL / IEC / EN 60950-1
EMI (Conducted & Radiated Emission)	EN 55032 Class B
EMS (Noise Immunity)	EN 55024

For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.

Model No.

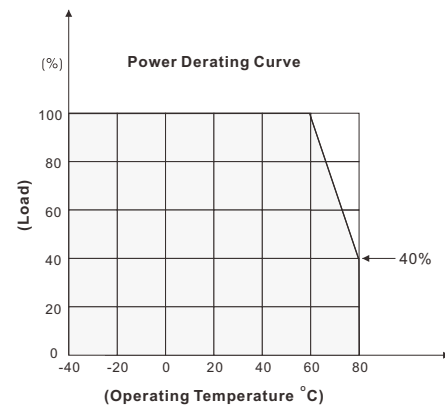
▶▶ AYC Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AYC-3.3S	90~305	3.3	600	66
AYC-5S	90~305	5	400	70
AYC-9S	90~305	9	222	73
AYC-12S	90~305	12	167	73
AYC-15S	90~305	15	133	73
AYC-24S	90~305	24	83	75

▶▶ AZC Single Output

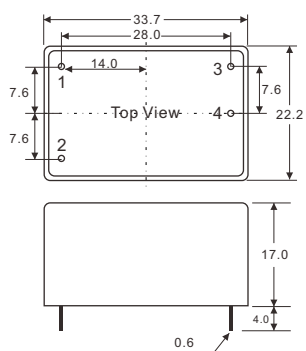
Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AZC-3.3S	90~305	3.3	600	66
AZC-5S	90~305	5	400	70
AZC-9S	90~305	9	222	73
AZC-12S	90~305	12	167	73
AZC-15S	90~305	15	133	73
AZC-24S	90~305	24	83	75

Derating

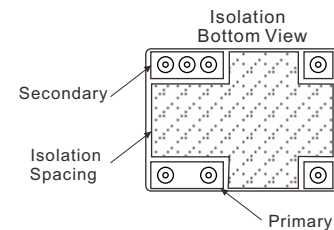
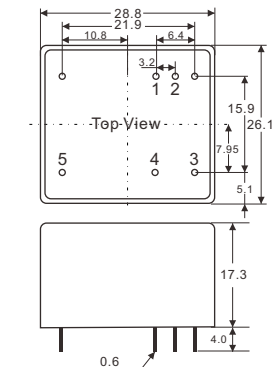


Outline Dimensions & Pin Connections (Tolerance ±0.5 mm)

AYC Series



AZC Series



PIN#	AYC	AZC
1	AC IN (N)	+DC OUT
2	AC IN (L)	-DC OUT
3	-DC OUT	AC IN (N)
4	+DC OUT	AC IN (L)
5		NC

Features

- * Power Module for PCB Mountable
- * Universal Input Range 90-264VAC
- * Low No-Load Power Consumption < 0.3W
- * Cooling by free air convection
- * Low Ripple and Noise
- * Isolation Class II
- * I/O Isolation: 3000VAC
- * 3-Year Product Warranty



General specifications

Series	AIC
AC Input Voltage Range	90-264 VAC or 120-370 VDC
AC Inrush Current	20 A max. (115 VAC) / 50 A max. (230 VAC)
Leakage Current	0.25 mA (max.)
Output Voltage Accuracy	±10%
Ripple & Noise (Vp-p.)	3.3S:<250mV ; 5S:<200mV ; 9S:<150mV ; 12S,15S,24S:<100mV (max.)
Over Power Protection	Hiccup technique, auto-recovery
Over Voltage Protection	Zener diode clamp
Short Circuit Protection	Hiccup mode (automatic recovery)
Isolation (Input-Output)	3000 VAC
Operating Temperature	-40 °C to +85 °C
Temperature Coefficient	±0.02%/°C
Dimensions (L x W x H) (Tolerance ±0.5 mm)	35.7 x 19.0 x 22.0 mm 1.41 x 0.75 x 0.86 inches
Cooling Method	Free air convection
Safety	UL / IEC / EN 60950-1
EMI (Conducted & Radiated Emission)	EN 55032 Class B
EMS (Noise Immunity)	EN 55024

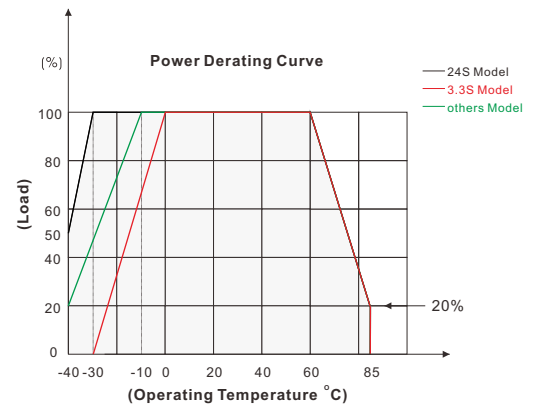
For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.

Model No.

▶▶ AIC Single Output

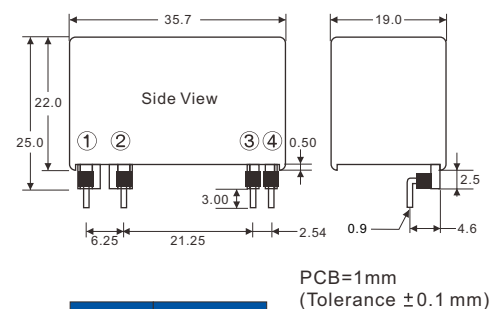
Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AIC-3.3S A / 3.3S B	90~264	3.3	900	69
AIC-5S A / 5S B	90~264	5	600	71
AIC-9S A / 9S B	90~264	9	333	76
AIC-12S A / 12S B	90~264	12	250	76
AIC-15S A / 15S B	90~264	15	200	76
AIC-24S A / 24S B	90~264	24	125	77

Derating



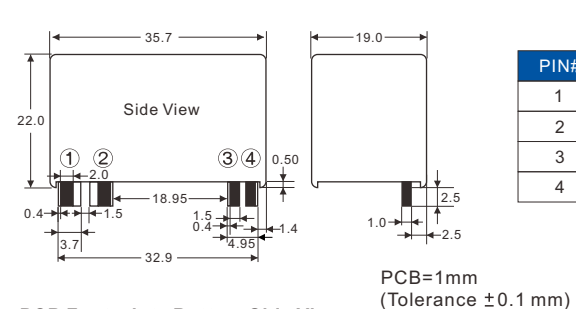
Outline Dimensions & Pin Connections (Tolerance ±0.5 mm)

A Type



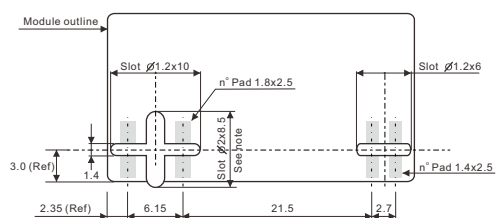
PIN#	Single
1	AC IN (L)
2	AC IN (N)
3	+DC OUT
4	-DC OUT

B Type



PIN#	Single
1	AC IN (L)
2	AC IN (N)
3	+DC OUT
4	-DC OUT

PCB Footprint - Bottom Side View



The 2x8.5mm slot is not mandatory
This slot is useful when high creepage between PCB tracks is required

Features

- * Power Module for PCB Mountable
 - * Universal Input Range 90-305VAC / 90-264VAC (AOC)
 - * Single and Dual Output
 - * Low No-Load Power Consumption < 0.3W
 - * Cooling by free air convection
- * Low Ripple and Noise
 - * Isolation Class II
 - * I/O Isolation: 3000VAC
 - * 3-Year Product Warranty

AOC

4 Watts



AOCH

4 Watts



General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AOC	AOCH
AC Input Voltage Range	90-264 VAC or 120-370 VDC	90-305 VAC or 120-430 VDC
AC Inrush Current	15 A max. (115 VAC) / 25 A max. (230 VAC)	
Leakage Current	0.25 mA (max.)	
Output Voltage Accuracy	Single: $\pm 2\%$ / Dual: $V_o: \pm 2\%$ $V_r: \pm 5\%$	
Ripple & Noise (Vp-p.)	3.3S, 5S: <250mV ; 8S, 9S, 5S3.3S: <200mV ; 12S, 14S, 8S5S: <150mV ; 15S, 24S, 12S5S: <100mV (max.)	
Over Power Protection	Hiccup technique, auto-recovery	
Short Circuit Protection	Hiccup mode (automatic recovery)	
Isolation (Input-Output)	3000 VAC	
Operating Temperature	-40 °C to +70 °C	
Temperature Coefficient	$\pm 0.02\%/^{\circ}\text{C}$	
Dimensions (L x W x H) (Tolerance ± 0.5 mm)	37.0 x 27.5 x 17.5 mm 1.46 x 1.08 x 0.69 inches	
Cooling Method	Free air convection	
Safety	UL / IEC / EN 62368-1, IEC / EN 60950-1	
EMI (Conducted & Radiated Emission)	EN 55032 Class B	
EMS (Noise Immunity)	EN 55035	

Model No.

►► AOC Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AOC-3.3S	90~264	3.3	1200	68
AOC-5S	90~264	5	800	72
AOC-8S	90~264	8	500	74
AOC-9S	90~264	9	444	75
AOC-12S	90~264	12	333	76
AOC-14S	90~264	14	286	76
AOC-15S	90~264	15	267	76
AOC-24S	90~264	24	167	77

►► AOC Dual Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AOC-5S3.3S	90~264	$V_o: 5$ $V_r: 3.3$	600 / 150	72
AOC-8S5S	90~264	$V_o: 8$ $V_r: 5$	375 / 120	74
AOC-12S5S	90~264	$V_o: 12$ $V_r: 5$	250 / 120	75

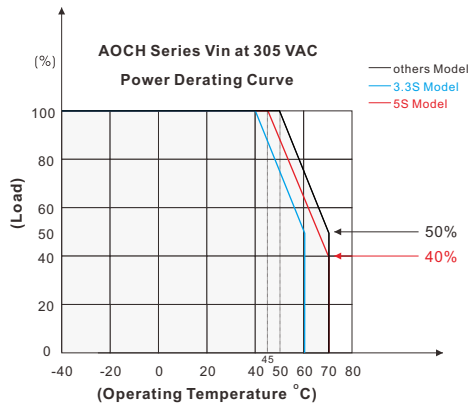
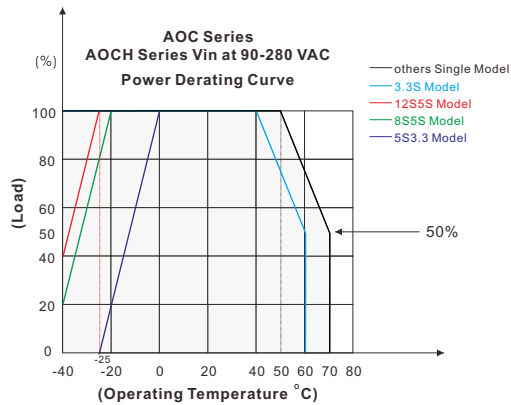
►► AOCH Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AOCH-3.3S	90~305	3.3	1200	68
AOCH-5S	90~305	5	800	72
AOCH-8S	90~305	8	500	74
AOCH-9S	90~305	9	444	75
AOCH-12S	90~305	12	333	76
AOCH-14S	90~305	14	286	76
AOCH-15S	90~305	15	267	76
AOCH-24S	90~305	24	167	77

►► AOCH Dual Output

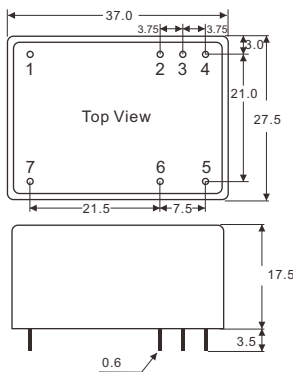
Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AOCH-5S3.3S	90~305	$V_o: 5$ $V_r: 3.3$	600 / 150	72
AOCH-8S5S	90~305	$V_o: 8$ $V_r: 5$	375 / 120	74
AOCH-12S5S	90~305	$V_o: 12$ $V_r: 5$	250 / 120	75

Derating

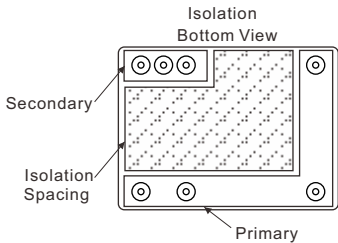
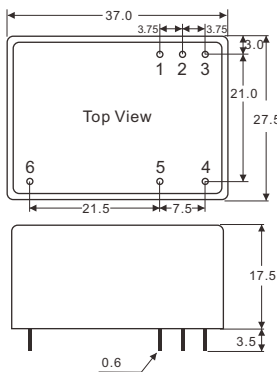


Outline Dimensions & Pin Connections (Tolerance ± 0.5 mm)

AOC Series



AOCH Series



AOC PIN#	AOCH PIN#	Single	Dual
1		NC	NC
2	1	+Vo	+Vo
3	2	GND	COM
4	3	NC	+Vr
5	4	AC IN (L)	AC IN (L)
6	5	AC IN (N)	AC IN (N)
7	6	NC	NC

Features

- * Ultra Compact Power Module for PCB Mountable
 - * Universal Input Range 90-305VAC / 90-264VAC (AHC/AUC)
 - * Low No-Load Power Consumption < 0.1W
 - * Cooling by free air convection
 - * Operating altitude 5000M (UL / IEC / EN 62368-1) (AHCH05/AOCH05)
- * EMC Compliant without External Components (AHCH05/AOCH05)
 - * Low Ripple and Noise
 - * I/O Isolation: 4000VAC / 3000VAC (AHC/AUC)
 - * Screw Terminal for Option (AHCH05)
 - * 3-Year Product Warranty



General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw).

Series	AHC	AHCH05	AOCH05	AUC
AC Input Voltage Range	90-264 VAC or 120-370 VDC	90-305 VAC or 127-430 VDC	90-305 VAC or 120-430 VDC	90-264 VAC or 120-370 VDC
AC Inrush Current	10 A max. (115 VAC) / 20 A max. (230 VAC)	30 A max. (115 VAC) / 60 A max. (230 VAC)		20 A max. (115 VAC) / 40 A max. (230 VAC)
Leakage Current	0.75 mA (max.)	0.25 mA (max.)		
Output Voltage Accuracy	±2%			
Ripple (Vp-p.)	<0.2% Vout +40mV (max.)	3.3S,5S:<100mV ; 12S:<150mV ; 24S:200mV (max.)		24S:<200mV ; others:<100mV (max.)
Noise (Vp-p.)	<0.5% Vout +50mV (max.)			24S:<200mV ; others:<150mV (max.)
Over Power Protection	Hiccup technique, Auto-recovery	Hiccup technique, auto-recovery ≥ 115% Io		Hiccup technique, Auto-recovery
Over Voltage Protection	Zener diode clamp			—
Short Circuit Protection	Hiccup mode (automatic recovery)			
Isolation (Input-Output)	3000 VAC	4000 VAC		3000 VAC
Operating Temperature	-25 °C to +70 °C	-40 °C to +85 °C	-40 °C to +70 °C	
Temperature Coefficient	±0.02%/°C			
Dimensions (L x W x H)	51.2 x 25.8 x 15.4 mm	51.82 x 26.42 x 16.51 mm	37.0 x 27.5 x 17.5 mm	27.4 x 27.4 x 18.7 mm
(Tolerance ±0.5 mm)	2.0 x 1.0 x 0.6 Inches	2.04 x 1.04 x 0.65 inches	1.46 x 1.08 x 0.69 inches	1.08 x 1.08 x 0.736 inches
Cooling Method	Free air convection			
Safety	AHC: EN 62368-1, UL / IEC / EN 60950-1			
	AHCH05: UL / IEC / EN 62368-1, IEC / EN 60950-1 IEC / EN 60335-1(meet) , IEC / EN 61558-2-16(meet)			
	AOCH05: UL / IEC / EN 62368-1, IEC / EN 60950-1, IEC / EN 60335-1, IEC / EN 61558-2-16			
	AUC: UL / IEC / EN 62368-1, IEC / EN 60950-1			
EMI (Conducted & Radiated Emission)	EN 55032 Class B			
EMS (Noise Immunity)	EN 55024	EN 55035		EN 55024

Model No.

▶▶ AHC Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AHC-3.3S	90~264	3.3	1250	68
AHC-5S	90~264	5	1000	71
AHC-12S	90~264	12	420	75
AHC-15S	90~264	15	333	75
AHC-24S	90~264	24	230	77

▶▶ AHCH05 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AHCH05-3.3S	90~305	3.3	1515	73
AHCH05-5S	90~305	5	1000	76
AHCH05-12S	90~305	12	420	80
AHCH05-24S	90~305	24	210	82

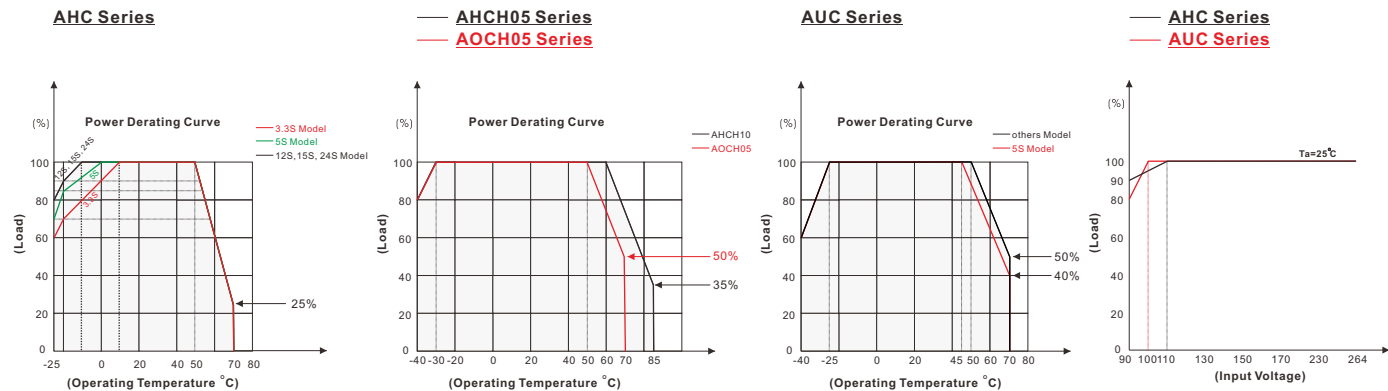
▶▶ AOCH05 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AOCH05-3.3S	90~305	3.3	1515	72
AOCH05-5S	90~305	5	1000	77
AOCH05-12S	90~305	12	420	81
AOCH05-24S	90~305	24	210	83

▶▶ AUC Single Output

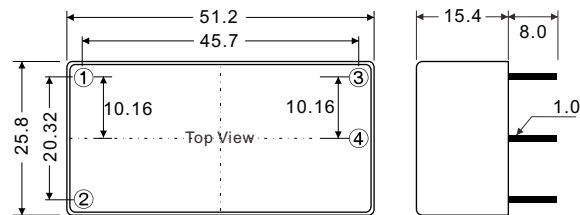
Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AUC-5S	90~264	5	1260	77
AUC-12S	90~264	12	583	80
AUC-15S	90~264	15	466	80
AUC-24S	90~264	24	292	80

Derating



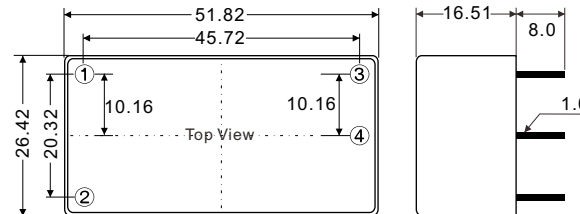
Outline Dimensions & Pin Connections (Tolerance ±0.5 mm)

AHC Series



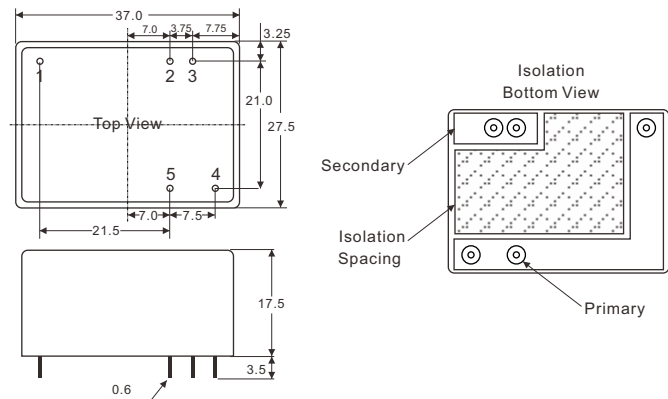
PIN#	Single
1	AC IN (N)
2	AC IN (L)
3	+DC OUT
4	-DC OUT

AHCH05 Series



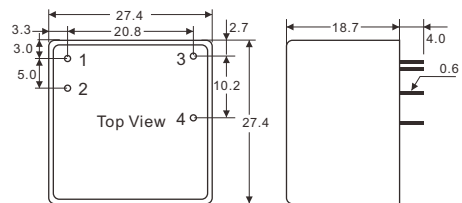
PIN#	Single
1	AC IN (N)
2	AC IN (L)
3	+DC OUT
4	-DC OUT

AOCH05 Series



PIN#	Single
1	NC
2	+Vo
3	GND
4	AC IN (L)
5	AC IN (N)

AUC Series



PIN#	Single
1	AC IN (N)
2	AC IN (L)
3	+DC OUT
4	-DC OUT

Features

- * Ultra Compact Power Module for PCB Mountable
 - * Universal Input Range 90-305VAC / 90-264VAC (AOD10)
 - * Low No-Load Power Consumption < 0.1W
 - * Cooling by free air convection
 - * Operating altitude 5000M (UL / IEC / EN 62368-1) (AHCH10/AOCH10)
 - * High Efficiency up to 86% ((AHCH10/AOCH10))
- * EMC Compliant without External Components (AHCH10/AOCH10)
 - * Low Ripple and Noise
 - * Isolation Class II
 - * I/O Isolation: 4000VAC / 3000VAC (AOD10)
 - * Screw Terminal for Option (AHCH10)
 - * 3-Year Product Warranty



General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AHCH10	AOCH10	AOD10
AC Input Voltage Range	90-305 VAC or 120-430 VDC		90-264 VAC or 120-370 VDC
AC Inrush Current	30 A max. (115 VAC) / 60 A max. (230 VAC)		
Leakage Current	0.25 mA (max.)		
Output Voltage Accuracy	±2%		
Ripple & Noise (Vp-p.)	5S,12S:<100mV ; 15S,24S:<150mV (max.)	5S,12S:<150mV ; 15S:<160mV ; 24S:1% Vout (max.)	
Over Power Protection	Hiccup technique, auto-recovery		
Over Voltage Protection	Zener diode clamp		
Short Circuit Protection	Hiccup mode (automatic recovery)		
Isolation (Input-Output)	4000 VAC		3000 VAC
Operating Temperature	-40 °C to +85 °C	-40 °C to +70 °C	
Temperature Coefficient	±0.02%/°C		
Dimensions (L x W x H) (Tolerance ±0.5 mm)	52.2 x 26.8 x 19.0 mm 2.055 x 1.055 x 0.75 inches	37.0 x 27.5 x 20.0 mm 1.46 x 1.08 x 0.79 inches	
Cooling Method	Free air convection		
Safety	AHCH10: UL / IEC / EN 62368-1, IEC / EN 60950-1 IEC / EN 60335-1(meet) , IEC / EN 61558-2-16(meet) AOCH10: UL / IEC / EN 62368-1, IEC / EN 60950-1, TUV IEC / EN 60335-1, TUV IEC / EN 61558-2-16 AOD10: UL / IEC / EN 62368-1, IEC / EN 60950-1, IEC / EN 60335-1		
EMI (Conducted & Radiated Emission)	EN 55032 Class B		
EMS (Noise Immunity)	EN 55035		EN 55024

Model No.

AHCH10 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AHCH10-5S	90~305	5	2000	80.5
AHCH10-12S	90~305	12	833	85
AHCH10-15S	90~305	15	667	86
AHCH10-24S	90~305	24	417	85.5

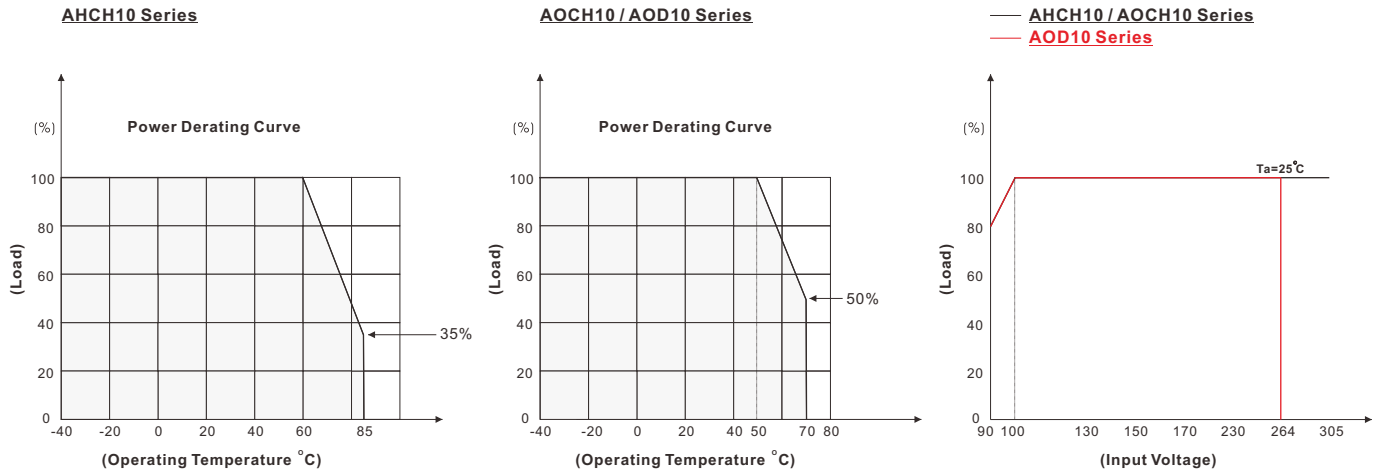
AOCH10 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AOCH10-5S	90~305	5	2000	81
AOCH10-12S	90~305	12	833	85
AOCH10-15S	90~305	15	667	86
AOCH10-24S	90~305	24	417	86

AOD10 Single Output

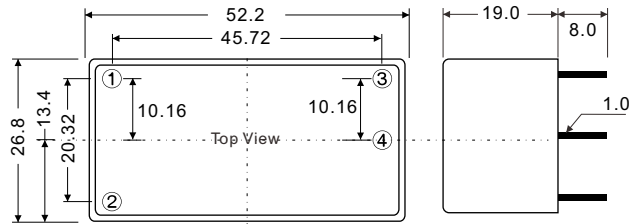
Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AOD10-5S	90~264	5	2000	80
AOD10-12S	90~264	12	833	84
AOD10-15S	90~264	15	667	85
AOD10-24S	90~264	24	417	85

Derating



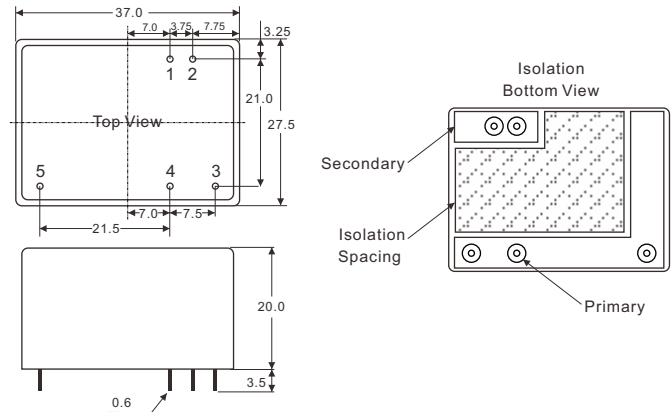
Outline Dimensions & Pin Connections (Tolerance ± 0.5 mm)

AHCH10 Series



PIN#	Single
1	AC IN (N)
2	AC IN (L)
3	+DC OUT
4	-DC OUT

AOCH10 / AOD10 Series



PIN#	Single
1	+Vo
2	GND
3	AC IN (L)
4	AC IN (N)
5	NO CONNECT



15W

AVC / APCN Series

Features

- * Ultra Compact Power Module for PCB Mountable
 - * Universal Input Range 90-264VAC
 - * Low No-Load Power Consumption < 0.1W / < 0.3W (APCN)
 - * Cooling by free air convection
 - * Low Ripple and Noise
- * Isolation Class II
 - * I/O Isolation: 4000VAC
 - * 3-Year Product Warranty

AVC

15 Watts



APCN

15 Watts



General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AVC	APCN
AC Input Voltage Range	90-264 VAC or 120-370 VDC	
AC Inrush Current	25 A max. (115 VAC) / 45 A max. (230 VAC)	15 A max. (115 VAC) / 30 A max. (230 VAC)
Leakage Current	0.25 mA (max.)	
Output Voltage Accuracy	±2%	
Ripple & Noise (Vp-p.)	5S:100mV ; 12S:120mV ; 15S:150mV ; 24S:240mV (typ.)	5S:100mV ; 12S:120mV ; 15S:200mV ; 24S:240mV (typ.)
Over Power Protection	Hiccup technique, auto-recovery	
Over Voltage Protection	Zener diode clamp	
Short Circuit Protection	Hiccup mode (automatic recovery)	
Isolation (Input-Output)	4000 VAC	
Operating Temperature	-40 °C to +70 °C	
Temperature Coefficient	±0.05%/°C	±0.02%/°C
Dimensions (L x W x H)	41.2 x 27.2 x 19.1 mm	54.7 x 44.9 x 21.0 mm
(Tolerance ±0.5 mm)	1.62 x 1.07 x 0.75 inches	2.15 x 1.77 x 0.82 inches
Cooling Method	Free air convection	
Safety	AVC: UL / IEC / EN 62368-1, IEC / EN 60950-1 APCN: EN 62368-1, UL / IEC / EN 60950-1	
EMI (Conducted & Radiated Emission)	EN 55032 Class B	
EMS (Noise Immunity)	EN 55024	

Model No.

AVC Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AVC-5S	90~264	5	2700	80
AVC-12S	90~264	12	1250	84
AVC-15S	90~264	15	1000	84
AVC-24S	90~264	24	625	85

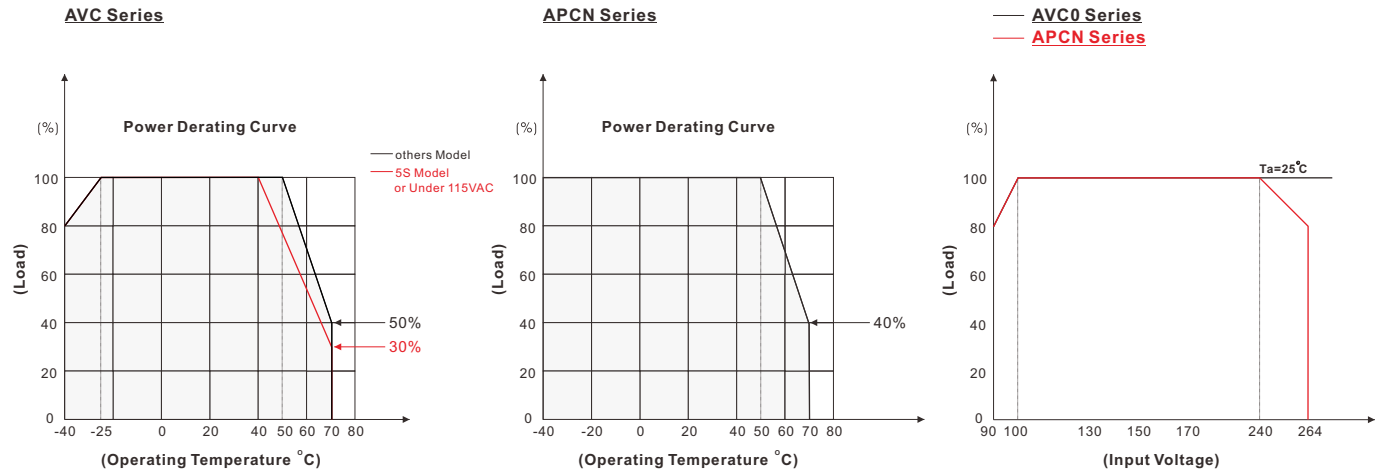
APCN Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
APCN-5S	90~264	5	3000	78
APCN-12S	90~264	12	1250	82
APCN-15S	90~264	15	1000	81
APCN-24S	90~264	24	625	82



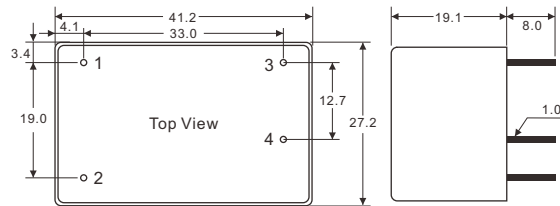
15W

Derating



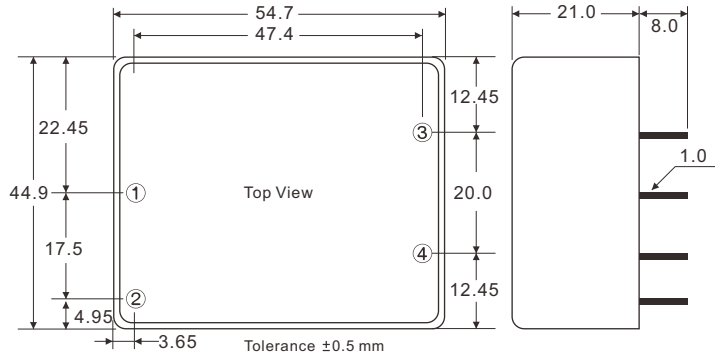
Outline Dimensions & Pin Connections (Tolerance ±0.5 mm)

AVC Series



PIN#	Single
1	AC IN (L)
2	AC IN (N)
3	-DC OUT
4	+DC OUT

APCN Series



PIN#	Single
1	AC IN (N)
2	AC IN (L)
3	-DC OUT
4	+DC OUT



NEW

20W

AFC20N / AFCV20 / AKC Series

Features

- * Switching Power Module for PCB Mountable
 - * Universal Input Range 90-305VAC(AFCV20) / 90-264VAC (others)
 - * Regulated Single, Dual, and Triple Output (AKC) / Single, Dual Output (AFCV20)
 - * Low No-Load Power Consumption (see spec. sheet)
 - * High Efficiency up to 87% (AFCV20)
 - * EMC Compliant without External Components (AFCV20)
- * Operating altitude 5000M (AFCV20)
 - * Over-Voltage Category OVC III (New Edition) (AFCV20)
 - * Isolation Class II (AKC N/A)
 - * I/O Isolation: 3000VAC / 4300VAC(AFCV20)
 - * Screw Terminal for Option (AKC)
 - * 3-Year Product Warranty

AFC20N
20 Watts



(NEW) OVC III Power Module

AFCV20
20 Watts



AKC
20 Watts



General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AFC20N	AFCV20	NEW	AKC
AC Input Voltage Range	90-264 VAC or 120-370 VDC	90-305 VAC or 120-430 VDC		90-264 VAC or 100-375 VDC
AC Inrush Current	20 A max. (115 VAC) / 40 A max. (230 VAC)	30 A max. (115 VAC) / 60 A max. (230 VAC)		30 A max. (115 VAC) / 50 A max. (230 VAC)
Leakage Current	0.25 mA (max.)			
Output Voltage Accuracy	±2%	Single:±2% ;Dual:±5% 5S12S: 5V: ±5%/12V:±6%		Single,Dual:±2% Triple:±2% / ±5%
Ripple & Noise (Vp-p.)	Ripple:3.3S,5S:75mV ; Noise:3.3S,5S:120mV ; others:1% Vout (Full Load) (max.)	5S,12S:120mV ; 15S,24S:1% Vout ; Dual:150mV (Full Load)		Ripple: <0.2% Vout +40mV (max.) Noise: <0.5% Vout +50mV (max.)
Over Power Protection	Hiccup technique, auto-recovery			—
Over Voltage Protection	Zener diode clamp			
Over Current Protection	—			Above 105% Rated Output Power
Short Circuit Protection	Hiccup mode (automatic recovery)			
Isolation (Input-Output)	3000 VAC	4300 VAC		3000 VAC
Operating Temperature	-40 °C to +70 °C	-40 °C to +85°C		-25 °C to +70 °C
Temperature Coefficient	± 0.05%/°C			± 0.02%/°C
Dimensions (L x W x H) (Tolerance ±0.5 mm)	52.5 x 27.5 x 23.5 mm 2.07 x 1.08 x 0.93 Inches			69.5 x 47.5 x 21.7 mm 2.73 x 1.87 x 0.85 inches
Cooling Method	Free air convection			
Safety	AFC20N,AKC: UL / IEC / EN 62368-1, IEC / EN 60950-1 AFCV20: UL / IEC / EN 62368-1, IEC / EN 61558-1(meet) , IEC / EN 61558-2-16(meet), IEC / EN 60335-1(meet)			
EMI (Conducted & Radiated Emission)	EN 55032 Class B			
EMS (Noise Immunity)	EN 55024	EN 55035		EN 55024

Model No.

AFC20N Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AFC20N-3.3S	90~264	3.3	3600	73
AFC20N-5S	90~264	5	3600	78
AFC20N-12S	90~264	12	1660	82
AFC20N-15S	90~264	15	1330	83
AFC20N-24S	90~264	24	833	83

AFCV20 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AFCV20-5S	90~305	5	4000	85
AFCV20-12S	90~305	12	1670	86
AFCV20-15S	90~305	15	1330	87
AFCV20-24S	90~305	24	833	87

AFCV20 Dual Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AFCV20-5S12S	90~305	5 / 12	2000 / 700	81
AFCV20-12D	90~305	± 12	± 833	85
AFCV20-15D	90~305	± 15	± 666	85

AKC Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AKC-3.3S	90~264	3.3	4500	75
AKC-5S	90~264	5	4000	79
AKC-7.35S	90~264	7.35	2730	82
AKC-9S	90~264	9	2230	82
AKC-12S	90~264	12	1670	83
AKC-15S	90~264	15	1340	83
AKC-24S	90~264	24	840	84

AKC Dual Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AKC-5D	90~264	± 5	± 2000	79
AKC-12D	90~264	± 12	± 833	82
AKC-15D	90~264	± 15	± 667	82

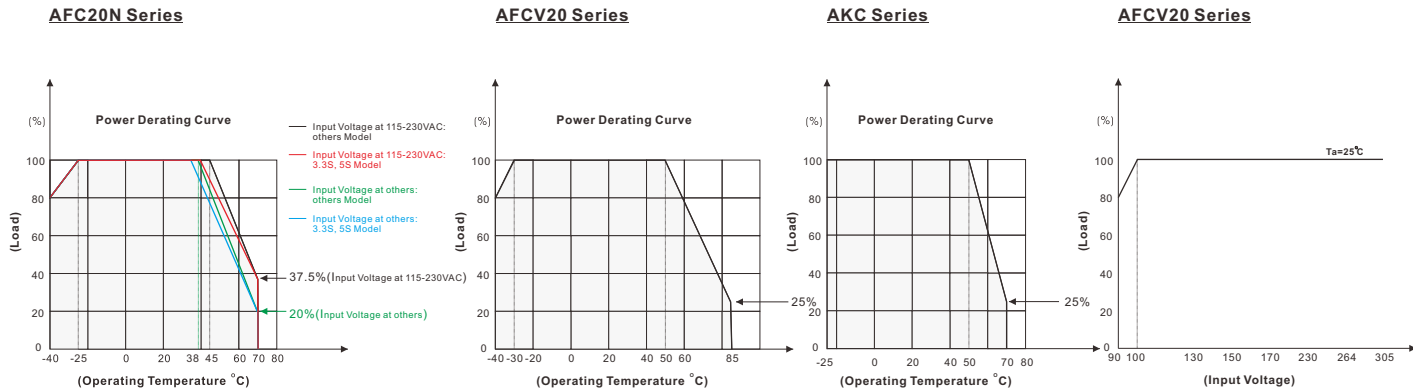
AKC Triple Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AKC-5S12D	90~264	5 / ± 12	2800 / ± 250	81
AKC-5S15D	90~264	5 / ± 15	2800 / ± 200	81

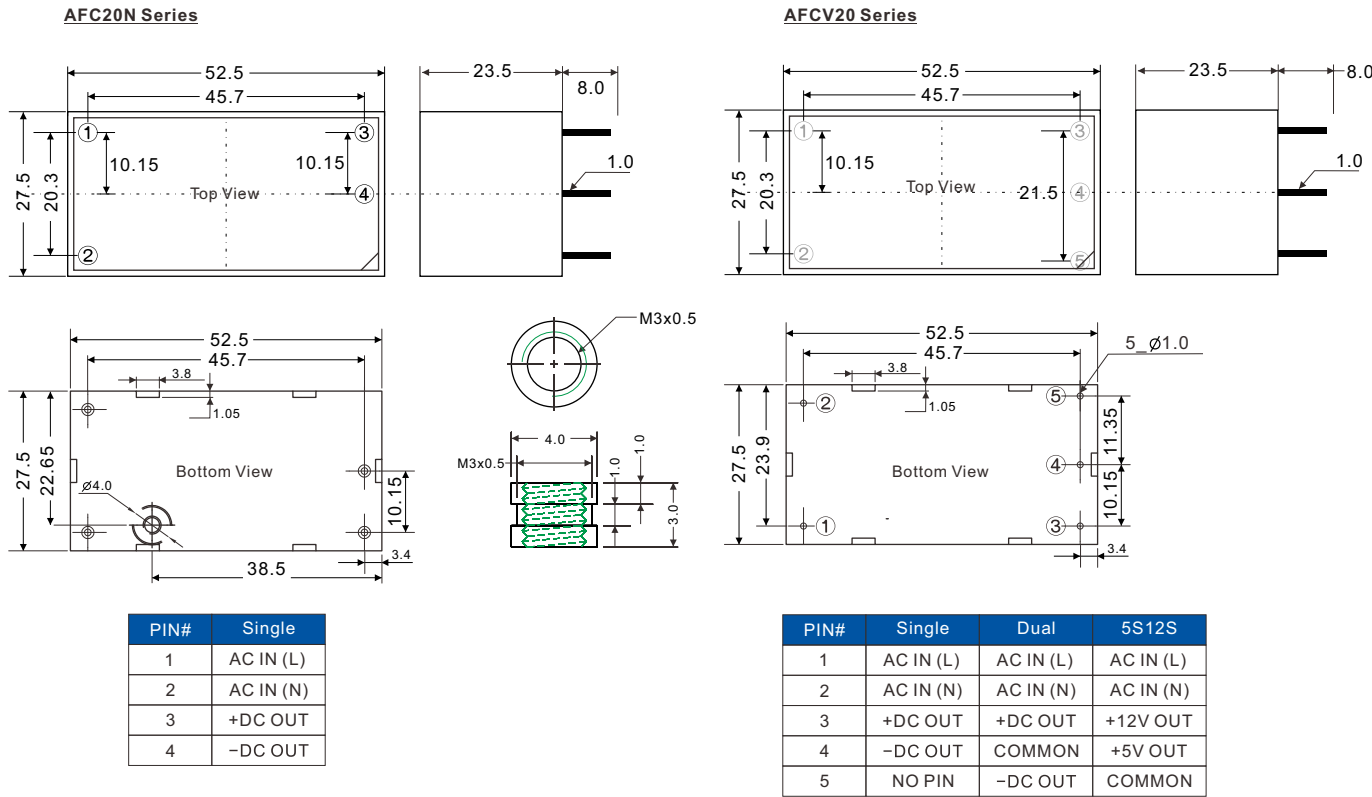


20W

Derating



Outline Dimensions & Pin Connections (Tolerance ± 0.5 mm)



25W to 30W AFCH25 / ATC30 / ATCH30 Series

Features

- * Ultra Compact Power Module for PCB Mountable
- * Universal Input Range 90-305VAC
- * Low No-Load Power Consumption (see spec. sheet)
- * Cooling by free air convection
- * High Efficiency up to 88% (AFCH25/ATCH30) / 89%(ATC30)
- * Operating altitude 5000M (UL / IEC / EN 62368-1) (AFCH25/ATCH30)
- * EMC Compliant without External Components (AFCH25/ATCH30)
- * Isolation Class II
- * I/O Isolation: 4000VAC / 3000VAC (ATC30)
- * Screw Terminal for Option (AFCH25/ATCH30)
- * 3-Year Product Warranty

Household Power Module

AFCH25
25 Watts



Household Power Module

ATC30
30 Watts



ATCH30
30 Watts



General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AFCH25	ATC30	ATCH30
AC Input Voltage Range	90-305 VAC or 120-430 VDC		
AC Inrush Current	30 A max. (115 VAC) / 60 A max. (230 VAC)		
Leakage Current	0.25 mA (max.)		
Output Voltage Accuracy	±2%		
Ripple & Noise (Vp-p.)	5.1S:120mV ; 12S:150mV ; 15S:160mV 24S:240mV (max.)	3.3,5S:100mV ; 12S,15S:150mV ; 24S:240mV (max.)	5.1S:120mV ; 12S,15S:150mV ; 24S:240mV (max.)
Over Power Protection	Hiccup technique, auto-recovery		
Over Voltage Protection	Zener diode clamp		
Short Circuit Protection	Hiccup mode (automatic recovery)		
Isolation (Input-Output)	4000 VAC	3000 VAC	4000 VAC
Operating Temperature	-40 °C to +70 °C		
Temperature Coefficient	±0.05%/°C	±0.02%/°C	
Dimensions (L x W x H) (Tolerance ±0.5 mm)	52.5 x 27.5 x 23.5 mm 2.07 x 1.08 x 0.93 Inches	64.1 x 45.6 x 23.5 mm 2.52 x 1.8 x 0.93 inches	64.3 x 45.1 x 21.7 mm 2.53 x 1.78 x 0.85 inches
Cooling Method	Free air convection		
Safety	AFCH25,ATCH30: UL / IEC / EN 62368-1, IEC / EN 60950-1, IEC / EN 60335-1, IEC / EN 61558-2-16 ATC30: UL / IEC / EN 62368-1, IEC / EN 60950-1		
EMI (Conducted & Radiated Emission)	EN 55032 Class B		
EMS (Noise Immunity)	EN 55035	EN 55024	EN 55035

Model No.

AFCH25 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AFCH25-5.1S	90~305	5.1	3922	84
AFCH25-12S	90~305	12	2083	88
AFCH25-15S	90~305	15	1666	88
AFCH25-24S	90~305	24	1042	87

ATC30 Single Output

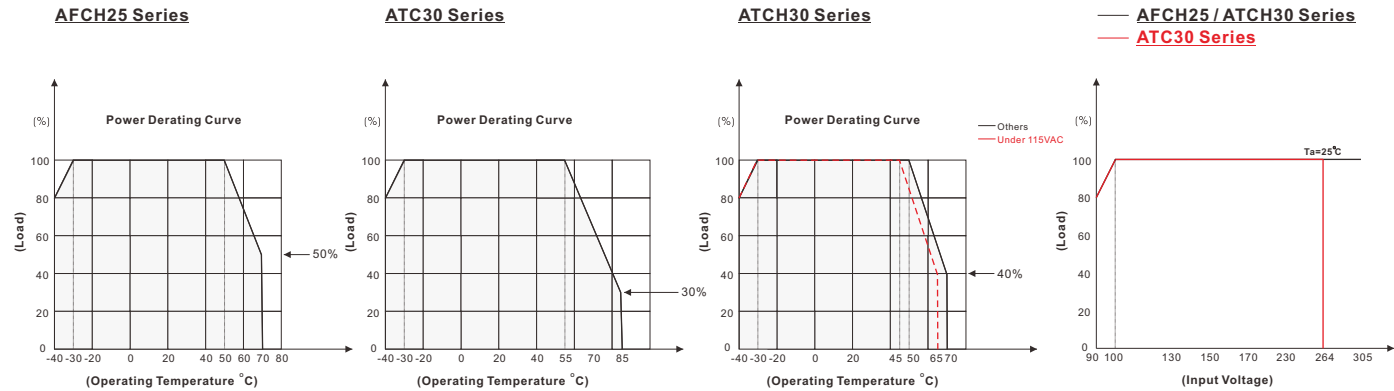
Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ATC30-3.3S	90~305	3.3	5000	80
ATC30-5S	90~305	5	5000	84
ATC30-12S	90~305	12	2500	89
ATC30-15S	90~305	15	2000	86
ATC30-24S	90~305	24	1250	86

ATCH30 Single Output

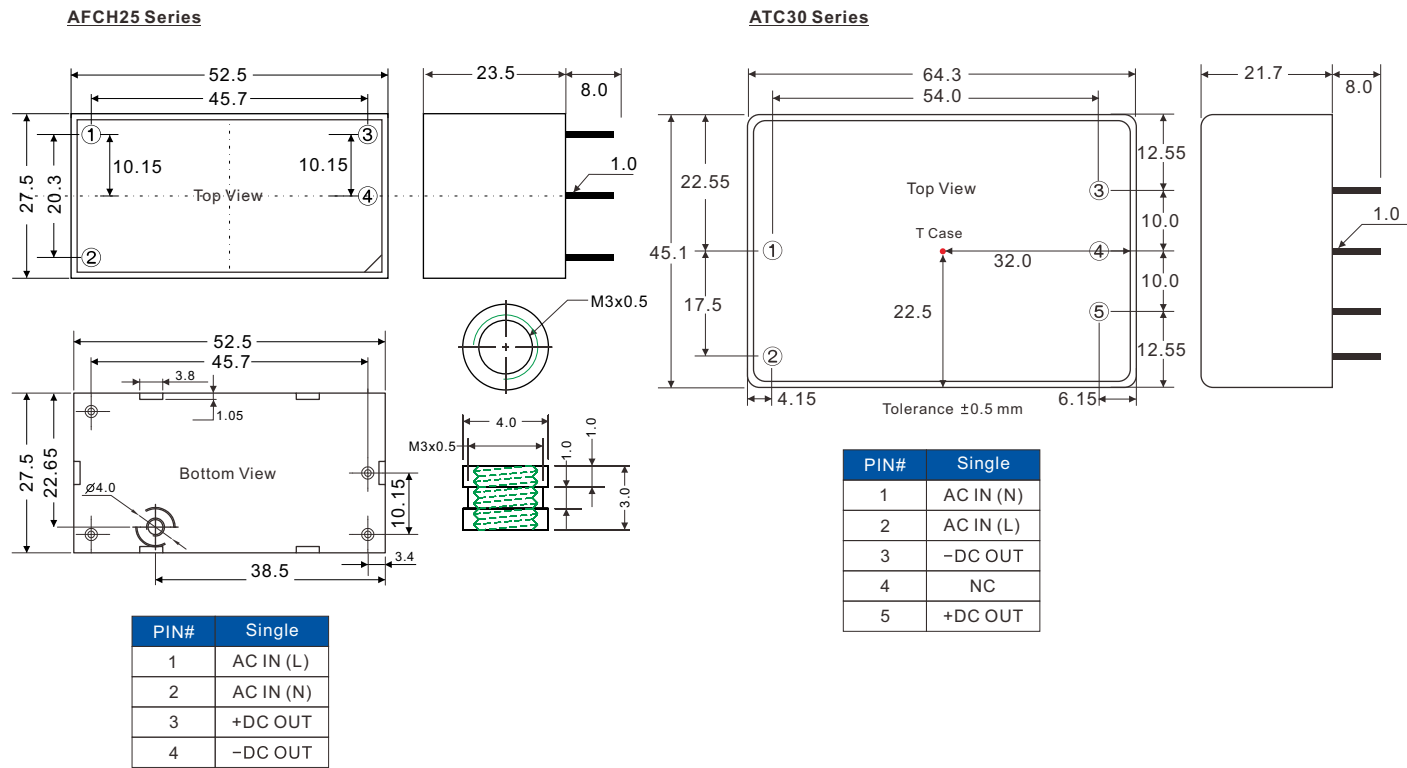
Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ATCH30-5.1S	90~305	5.1	4600	84
ATCH30-12S	90~305	12	2500	88
ATCH30-15S	90~305	15	2000	87
ATCH30-24S	90~305	24	1250	86

25W to 30W

Derating

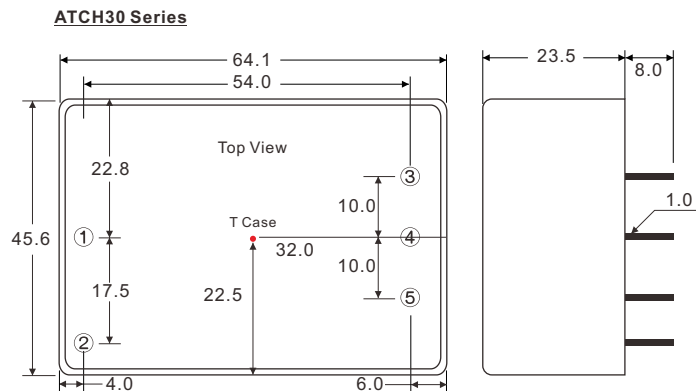


Outline Dimensions & Pin Connections (Tolerance ±0.5 mm)



PIN#	Single
1	AC IN (L)
2	AC IN (N)
3	+DC OUT
4	-DC OUT

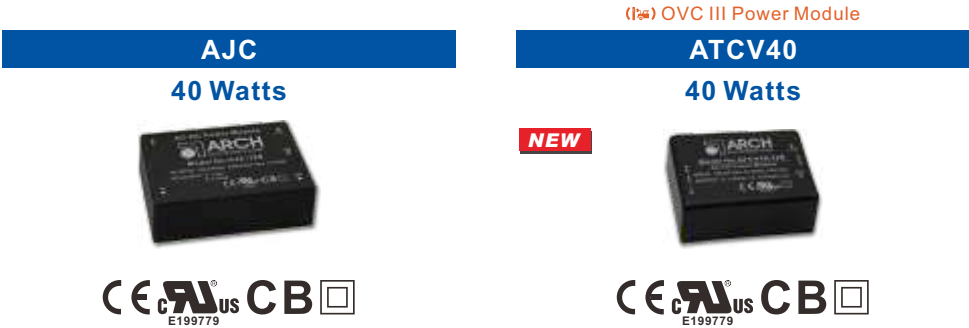
PIN#	Single
1	AC IN (N)
2	AC IN (L)
3	-DC OUT
4	NC
5	+DC OUT



PIN#	Single
1	AC IN (N)
2	AC IN (L)
3	-DC OUT
4	NC
5	+DC OUT

Features

- * Ultra Compact Power Module for PCB Mountable
 - * Universal Input Range 90-305VAC (ATCV40) / 90-264VAC (AJC)
 - * Low No-Load Power Consumption < 0.1W
 - * Operating altitude 5000M (ATCV40)
 - * Over-Voltage Category OVC III (New Edition) (ATCV40)
- * High Efficiency up to 90% (ATCV40)
 - * EMC Compliant without External Components (ATCV40)
 - * Isolation Class II
 - * I/O Isolation: 4300VAC (ATCV40) / 3000VAC (AJC)
 - * 3-Year Product Warranty



General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AJC	ATCV40
AC Input Voltage Range	90-264 VAC or 100-375 VDC	90-305 VAC or 120-430 VDC
AC Inrush Current	30 A max. (115 VAC) / 50 A max. (230 VAC)	60 A max. (115 VAC) / 100 A max. (230 VAC)
Leakage Current	0.75 mA (max.)	
Output Voltage Accuracy	3.3: ±3% ; 5S~24S, Dual: ±2% ; 5S12S, 5S24S, Triple: ±3% / ±5%	±2%
Ripple & Noise (Vp-p.)	3.3S: 50mV ; others: 1% Vout (max.)	12S, 15S: 150mV ; 24S: 240mV (Full Load)
Over Power Protection	—	Auto-recovery
Over Voltage Protection	Zener diode clamp	
Over Current Protection	Above 105% rated output power	—
Short Circuit Protection	Hiccup mode (automatic recovery)	
Isolation (Input-Output)	3000 VAC	4300 VAC
Operating Temperature	-40 °C to +70 °C	-40 °C to +85 °C
Temperature Coefficient	±0.01%/°C	±0.05%/°C
Dimensions (L x W x H) (Tolerance ±0.5 mm)	89.5 x 64.1 x 25.0 mm 3.52 x 2.52 x 0.98 inches	64.1 x 45.6 x 23.5 mm 2.52 x 1.8 x 0.93 inches
Cooling Method	Free air convection	
Safety	AJC: UL / IEC / EN 62368-1, IEC / EN 60950-1 ATCV40: UL / IEC / EN 62368-1, IEC / EN 61558-1(meet) , IEC / EN 61558-2-16(meet), IEC / EN 60335-1(meet)	
EMI (Conducted & Radiated Emission)	EN 55032 Class B	
EMS (Noise Immunity)	EN 55024	EN 55035

Model No.

AJC Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AJC-3.3S	90~264	3.3	8000	74
AJC-5S	90~264	5	8000	81
AJC-9S	90~264	9	4444	82
AJC-12S	90~264	12	3333	84
AJC-15S	90~264	15	2666	83
AJC-24S	90~264	24	1667	83

AJC Dual Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AJC-5D	90~264	±5	±4000	81
AJC-12D	90~264	±12	±1666	83
AJC-15D	90~264	±15	±1333	83
AJC-5S12S	90~264	5 / 12	5000 / 1250	82
AJC-5S24S	90~264	5 / 24	5000 / 625	82

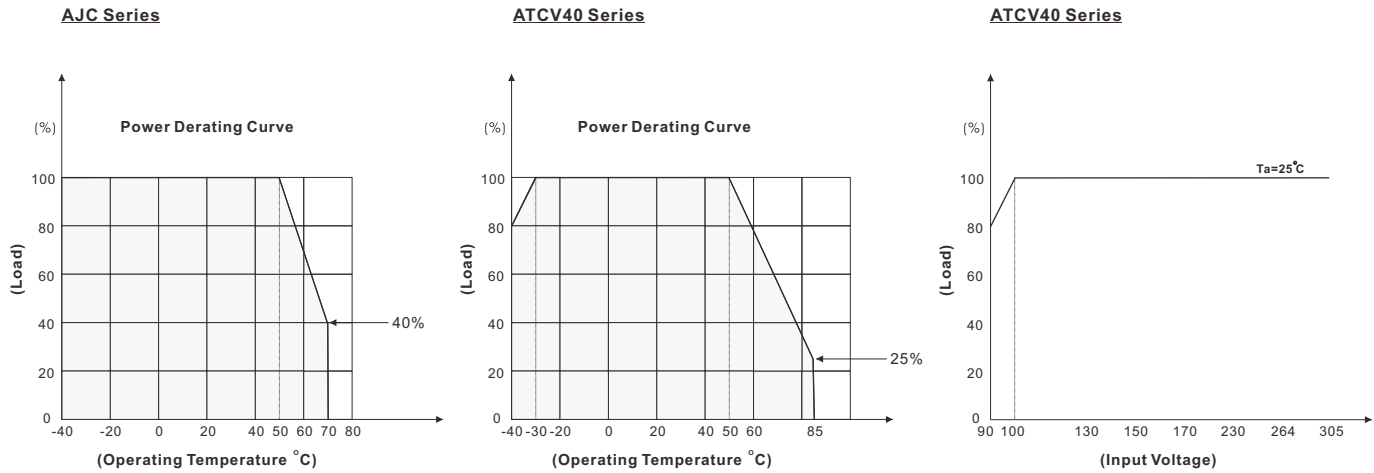
AJC Triple Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AJC-5S12D	90~264	5 / ±12	5000 / ±600	80
AJC-5S15D	90~264	5 / ±15	5000 / ±500	81

ATCV40 Single Output

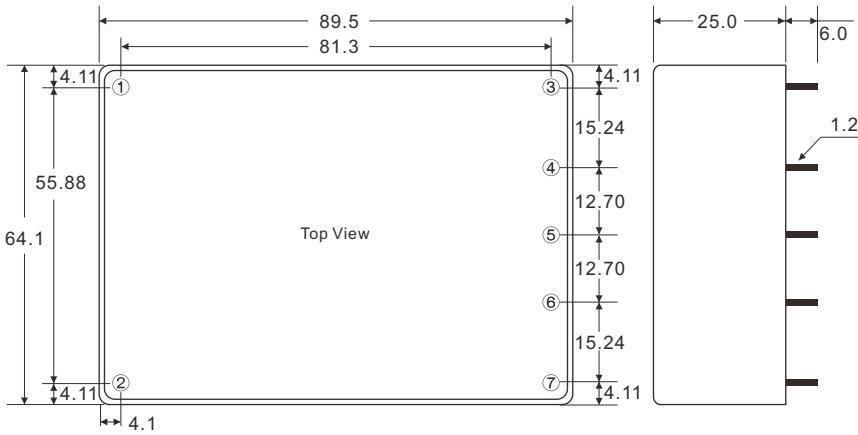
Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ATCV40-12S	90~305	12	3333	90
ATCV40-15S	90~305	15	2666	90
ATCV40-24S	90~305	24	1666	90

Derating



Outline Dimensions & Pin Connections (Tolerance ±0.5 mm)

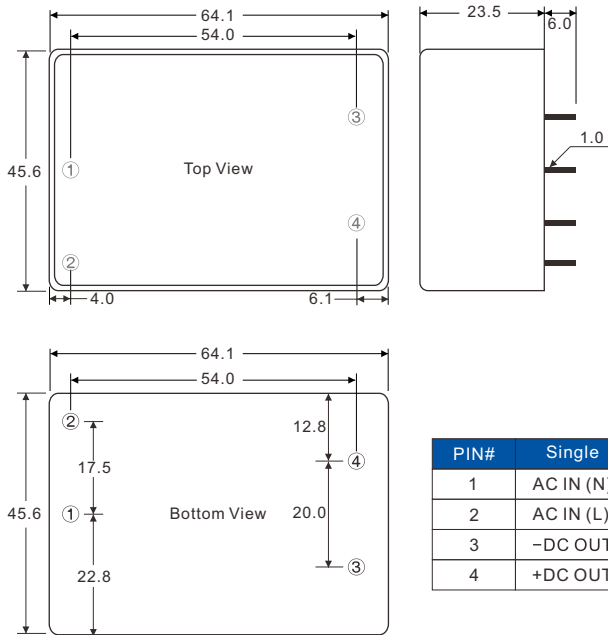
AJC Series



PIN#	Single	Dual
1	AC IN (L)	AC IN (L)
2	AC IN (N)	AC IN (N)
3	+DC OUT	+DC OUT
4	NO PIN	NO PIN
5	-DC OUT	COMMON
6	NO PIN	NO PIN
7	NO CONNECT	-DC OUT

PIN#	5S12S / 5S24S	Triple
1	AC IN (L)	AC IN (L)
2	AC IN (N)	AC IN (N)
3	+12V/+24V OUT	+DC OUT
4	+5V OUT	+5V OUT
5	+12V/+24V RTN	COMMON
6	+5V RTN	+5V RTN
7	NO PIN	-DC OUT

ATCV40 Series



PIN#	Single
1	AC IN (N)
2	AC IN (L)
3	-DC OUT
4	+DC OUT



NEW

50W to 60W

ANC50 / ANCH50 / ARC60 / ARCV60 Series

Features

- * Ultra Compact Power Module for PCB Mountable
- * Universal Input Range 90-305VAC / 90-264VAC (ANC50/ARC60)
- * Low No-Load Power Consumption < 0.1W (ANC50 N/A)
- * High Efficiency up to 89%(ANCH50) / 90% (ARC60/ARCV60)
- * Operating altitude 5000M (ANC50 N/A)
- * Over-Voltage Category OVC III (New Edition) (ARCV60)
- * EMC Compliant without External Components (ANC50 N/A)
- * Isolation Class II
- * I/O Isolation: 3000VAC / 4000VAC / 4300VAC (ARCV60)
- * Screw Terminal for Option (ANCH50/ARC60)
- * 3-Year Product Warranty



General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	ANC50	ANCH50	ARC60	ARCV60	NEW
AC Input Voltage Range	90-264 VAC or 120-370 VDC	90-305 VAC or 120-430 VDC	90-264 VAC or 120-370 VDC	90-305 VAC or 120-430 VDC	
AC Inrush Current	45 A max. (115 VAC) / 60 A max. (230 VAC)	45 A max. (115 VAC) / 90 A max. (230 VAC)			
Leakage Current	0.25 mA (max.)				
Output Voltage Accuracy	± 2%				
Ripple & Noise (Vp-p.)	5S,12S:120mV ; 15S:150mV ; 24S:240mV ; 48S:480mV	12S:120mV ; 15S:150mV ; 24S:240mV ; (max.)		12S:120mV ; 15S:150mV ; 24S:240mV ; (Full Load)	
Over Power Protection	Hiccup technique, auto-recovery		Auto-recovery		
Over Voltage Protection	Zener diode clamp				
Short Circuit Protection	Hiccup mode (automatic recovery)				
Isolation (Input-Output)	3000 VAC	4000 VAC		4300 VAC	
Operating Temperature	-40 °C to +70 °C		-40 °C to +85 °C		
Temperature Coefficient	± 0.02%/°C	± 0.05%/°C			
Dimensions (L x W x H) (Tolerance ± 0.5 mm)	74.1 x 54.1 x 21.8 mm 2.91 x 2.13 x 0.86 inches	74.2 x 47.0 x 23.1 mm 2.92 x 1.85 x 0.91 inches			
Cooling Method	Free air convection				
Safety	ANC50: UL / IEC / EN 62368-1, IEC / EN 60950-1				
	ANCH50,ARC60: UL / IEC / EN 62368-1, IEC / EN 60950-1, IEC / EN 60335-1, IEC / EN 61558-2-16				
	ARCV60: UL / IEC / EN 62368-1, IEC / EN 61558-1(meet) , IEC / EN 61558-2-16(meet), IEC / EN 60335-1(meet)				
EMI (Conducted & Radiated Emission)	EN 55032 Class B				
EMS (Noise Immunity)	EN 55024	EN 55035			

Model No.

ANC50 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ANC50-5S	90~264	5	8000	86
ANC50-12S	90~264	12	4167	90
ANC50-15S	90~264	15	3333	87
ANC50-24S	90~264	24	2083	88
ANC50-48S	90~264	48	1040	89

ANCH50 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ANCH50-12S	90~305	12	4167	89
ANCH50-15S	90~305	15	3333	88
ANCH50-24S	90~305	24	2083	88

ARC60 Single Output

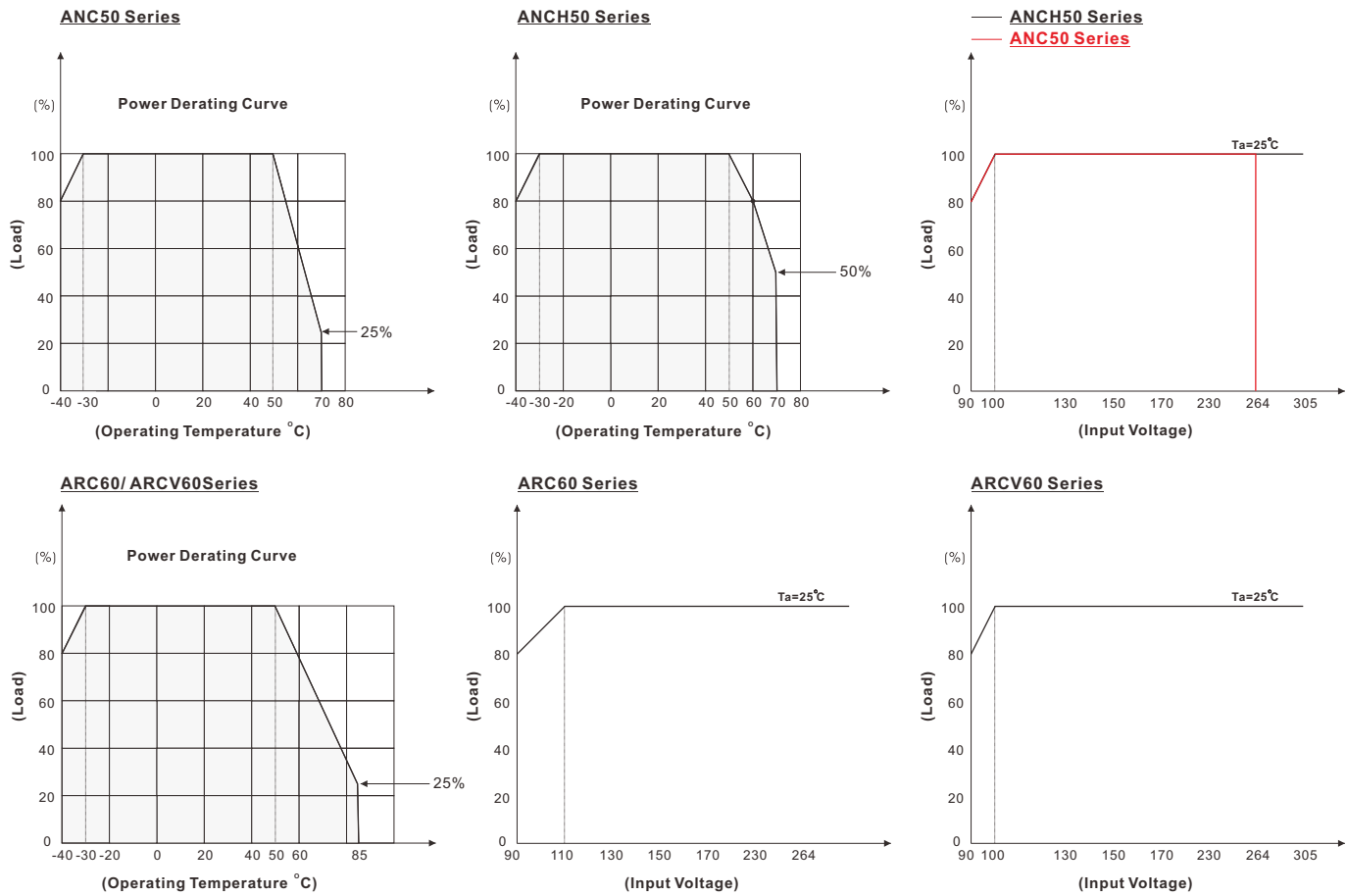
Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ARC60-12S	90~264	12	5000	90
ARC60-15S	90~264	15	4000	90
ARC60-24S	90~264	24	2500	89

ARCV60 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ARCV60-12S	90~305	12	5000	90
ARCV60-15S	90~305	15	4000	90
ARCV60-24S	90~305	24	2500	90

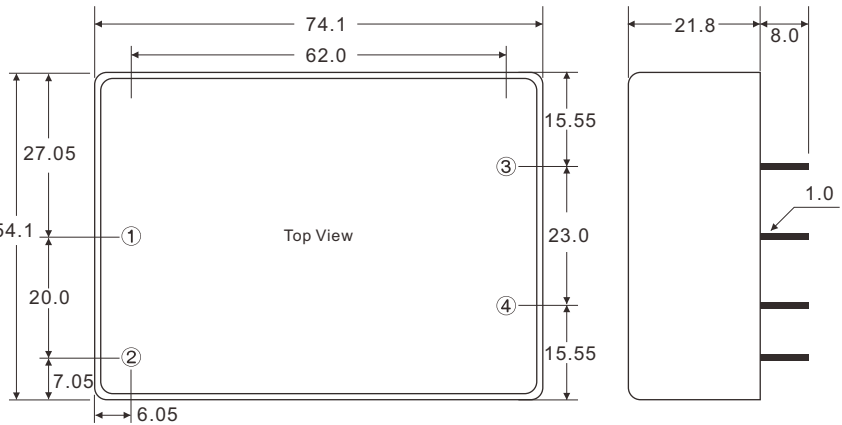
50W to 60W

Derating



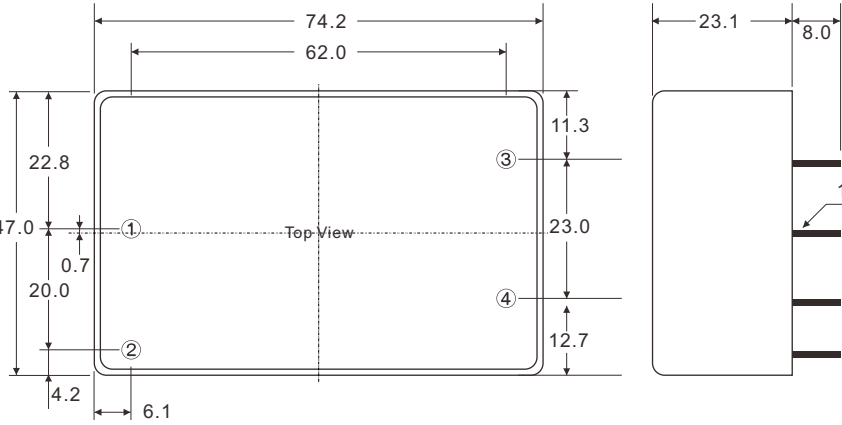
Outline Dimensions & Pin Connections (Tolerance ±0.5 mm)

ANC50 Series



PIN#	Single
1	AC IN (N)
2	AC IN (L)
3	-DC OUT
4	+DC OUT

ANCH50 / ARC60 / ARCV60 Series



PIN#	Single
1	AC IN (N)
2	AC IN (L)
3	-DC OUT
4	+DC OUT

100W

AJCV100 Series

Features

- * Power Module for PCB Mountable
- * Universal Input Range 90-264VAC or 127-370 VDC
- * Low No-Load Power Consumption < 0.15W
- * Remote ON/OFF Control
- * Adjustable Output Voltage
- * Operating altitude 5000M
- * Over-Voltage Category OVC III (New Edition)
- * High Efficiency up to 93.5%
- * EMC Compliant without External Components
- * Isolation Class II
- * I/O Isolation: 4300VAC
- * 3-Year Product Warranty

AJCV100

100 Watts



(P) OVC III Power Module



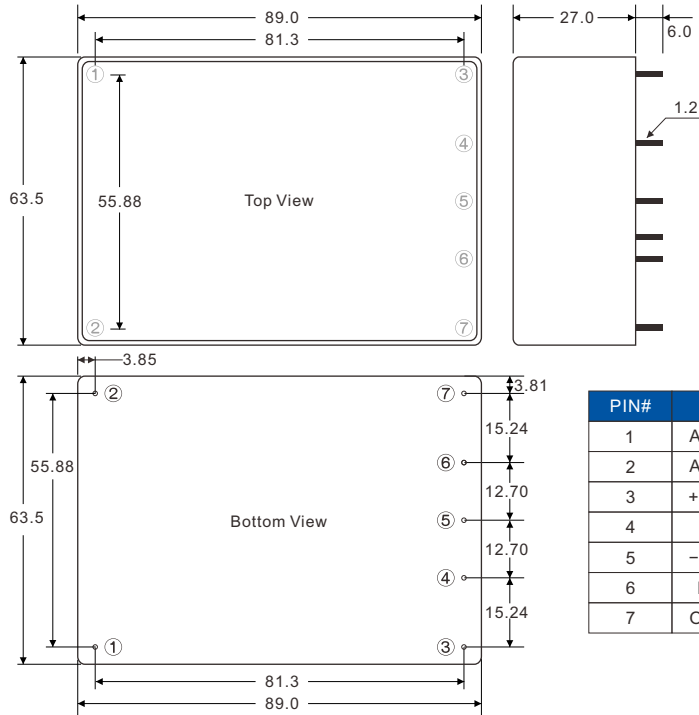
General specifications

Series	AJCV100
AC Input Voltage Range	90-264 VAC or 127-370 VDC
AC Inrush Current	45 A max. (115 VAC) / 90 A max. (230 VAC)
Leakage Current	0.25 mA (max.)
Output Voltage Accuracy	±2%
Ripple & Noise (Vp-p.)	12S:120mV ; 24S:200mV ; 48S:240mV (Full Load)
Over Voltage Protection	Auto-recovery
Over Current Protection	Auto-recovery
Short Circuit Protection	Hiccup mode / Auto-recovery
Isolation (Input-Output)	4300 VAC
Operating Temperature	-40 °C to +85 °C
Temperature Coefficient	±0.05%/°C
Dimensions (L x W x H) (Tolerance ±0.5 mm)	89.0 x 63.5 x 27.0 mm 3.52 x 2.5 x 1.06 inches
Cooling Method	Free air convection
Safety	UL / IEC / EN 62368-1, IEC / EN 61558-1(meet) , IEC / EN 61558-2-16(meet), IEC / EN 60335-1(meet)
EMI (Conducted & Radiated Emission)	EN 55032 Class B
EMS (Noise Immunity)	EN 55035

For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.

Outline Dimensions & Pin Connections

(Tolerance ±0.5 mm)

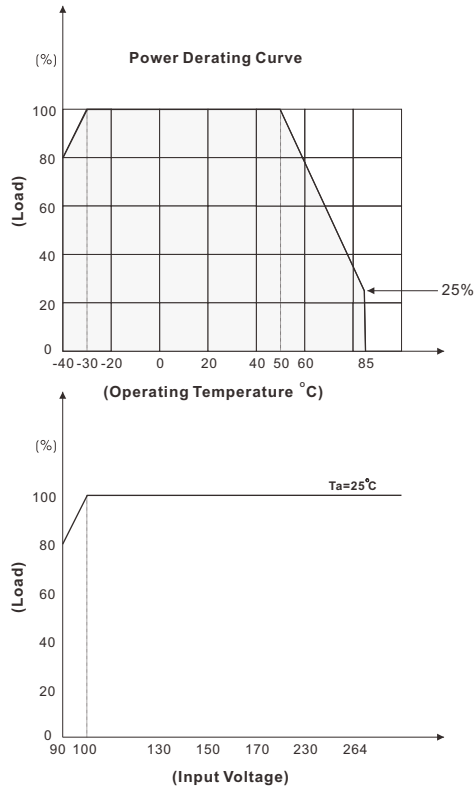


Model No.

AJCV100 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AJCV100-12S	90~264	12	8333	93
AJCV100-24S	90~264	24	4166	93.5
AJCV100-48S	90~264	48	2083	93

Derating



NOTE



AFCV20 / ATCV40 / ARCV60 / AJCV100 Series

Features

- * Power Module for PCB Mountable
- * Universal Input Range 90-305VAC / 90-264VAC (AJCV100)
- * Regulated Single and Dual Output (AFCV20)
- * Low No-Load Power Consumption < 0.1W / < 0.15W (AJCV100)
- * High Efficiency (see spec. sheet)
- * Operating altitude 5000M

- * Over-Voltage Category OVC III (New Edition)
- * EMC Compliant without External Components
- * Isolation Class II
- * I/O Isolation: 4300VAC
- * 3-Year Product Warranty



General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	AFCV20	NEW	ATCV40	NEW	ARCV60	NEW	AJCV100	NEW
AC Input Voltage Range	90-305 VAC or 120-430 VDC						90-264 VAC or 127-370 VDC	
AC Inrush Current	30 A max. (115 VAC) / 60 A max. (230 VAC)		60 A max. (115 VAC) / 100 A max. (230 VAC)		45 A max. (115 VAC) / 90 A max. (230 VAC)			
Leakage Current	0.25 mA (max.)							
Output Voltage Accuracy	Single:±2% ;Dual:±5% 5S12S: 5V: ±5%/12V:±6%		±2%		±2%		±2%	
Ripple & Noise (Vp-p.)	5S,12S:120mV ; 15S,24S:1% Vout ; Dual:150mV (Full Load)		12S,15S:150mV ; 24S:240mV (Full Load)		12S:120mV ; 15S:150mV ; 24S:240mV (Full Load)		12S:120mV ; 24S:200mV ; 48S:240mV (Full Load)	
Over Power Protection	Hiccup technique, Auto-recovery		Auto-recovery		Auto-recovery		—	
Over Voltage Protection	Zener diode clamp						Auto-recovery	
Over Current Protection	—						Auto-recovery	
Short Circuit Protection	Hiccup mode (automatic recovery)						Hiccup mode / Auto-recovery	
Isolation (Input-Output)	4300 VAC							
Operating Temperature	-40 °C to +85 °C							
Temperature Coefficient	±0.05%/°C							
Dimensions (L x W x H) (Tolerance ±0.5 mm)	52.5 x 27.5 x 23.5 mm 2.07 x 1.08 x 0.93 inches		64.1 x 45.6 x 23.5 mm 2.52 x 1.8 x 1.93 inches		74.2 x 47.0 x 23.1 mm 2.92 x 1.85 x 0.91 inches		89.0 x 63.5 x 27.0 mm 3.5 x 2.5 x 1.06 inches	
Cooling Method	Free air convection							
Safety	UL / IEC / EN 62368-1, IEC / EN 61558-1(meet) , IEC / EN 61558-2-16(meet), IEC / EN 60335-1(meet)							
EMI (Conducted & Radiated Emission)	EN 55032 Class B							
EMS (Noise Immunity)	EN 55035							

Model No.

►► AFCV20 Single Output NEW

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AFCV20-5S	90~305	5	4000	85
AFCV20-12S	90~305	12	1670	86
AFCV20-15S	90~305	15	1330	87
AFCV20-24S	90~305	24	833	87

►► AFCV20 Dual Output NEW

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AFCV20-5S12S	90~305	5 / 12	2000 / 700	81
AFCV20-12D	90~305	±12	±833	85
AFCV20-15D	90~305	±15	±666	85

►► ATCV40 Single Output NEW

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ATCV40-12S	90~305	12	3333	90
ATCV40-15S	90~305	15	2666	90
ATCV40-24S	90~305	24	1666	90

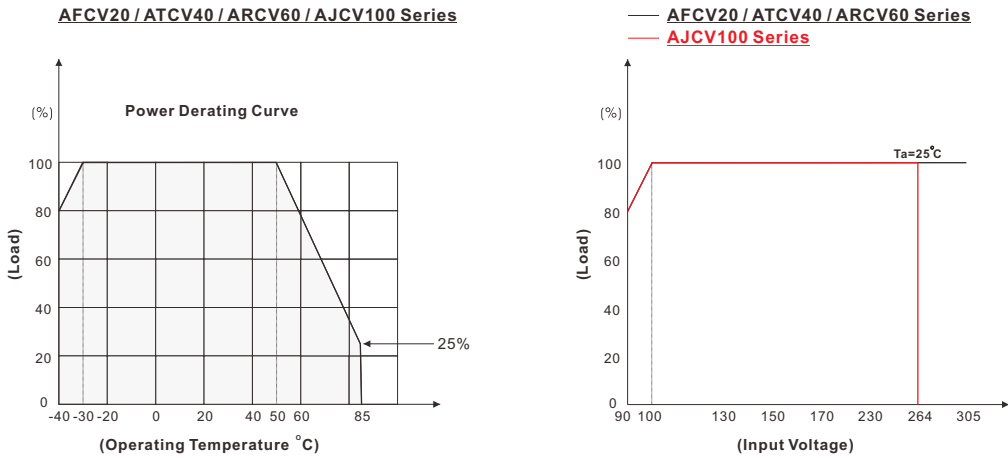
►► ARCV60 Single Output NEW

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ARCV60-12S	90~305	12	5000	90
ARCV60-15S	90~305	15	4000	90
ARCV60-24S	90~305	24	2500	90

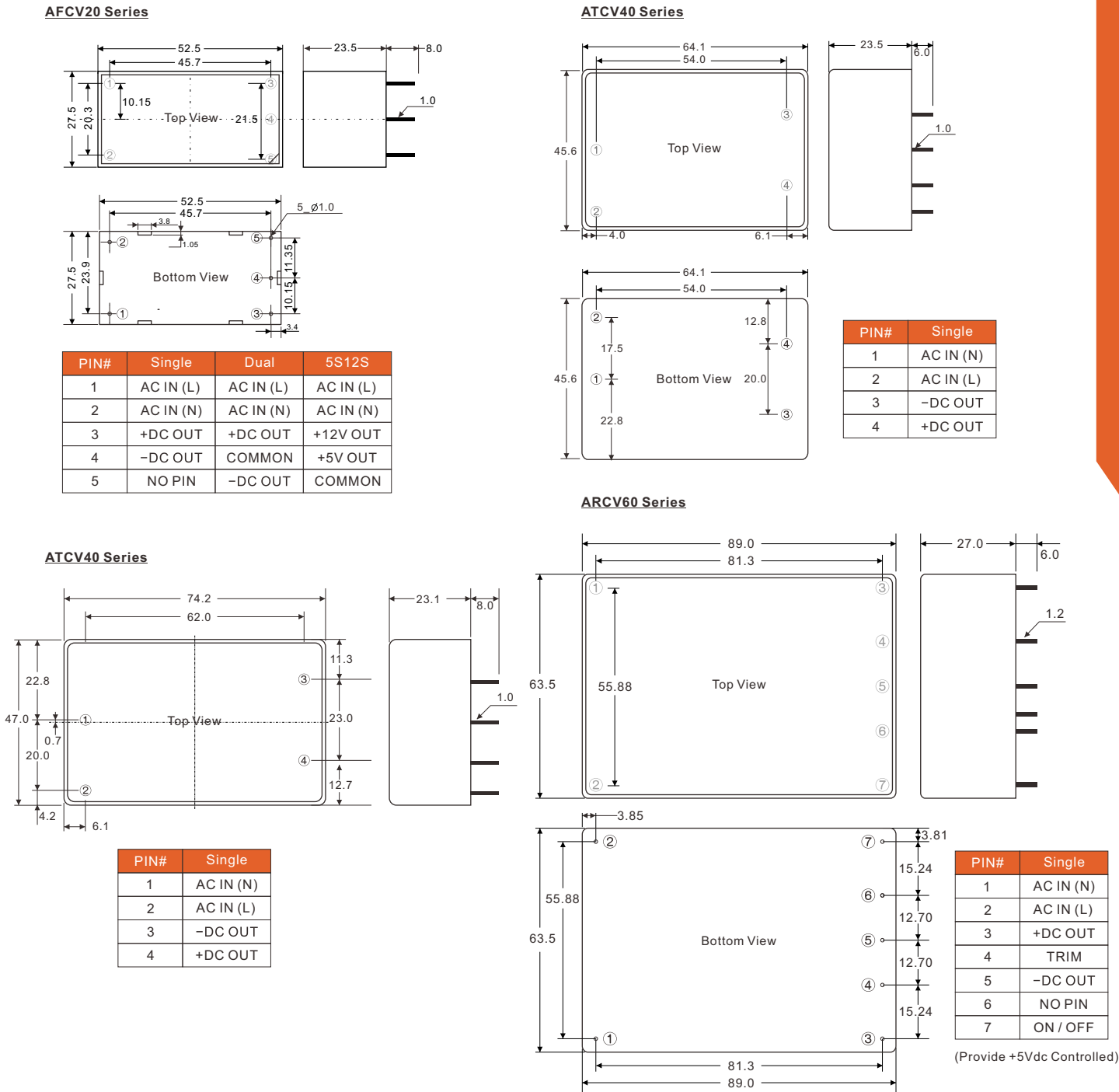
►► AJCV100 Single Output NEW

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AJCV100-12S	90~264	12	8333	93
AJCV100-24S	90~264	24	4166	93.5
AJCV100-48S	90~264	48	2083	93

Derating



Outline Dimensions & Pin Connections (Tolerance ±0.5 mm)



**■ A0CH05 / A0CH10 / A0D10 / AFCH25
Series**

Derating

- Figure 10: Power Derating Curves for AOC Series**

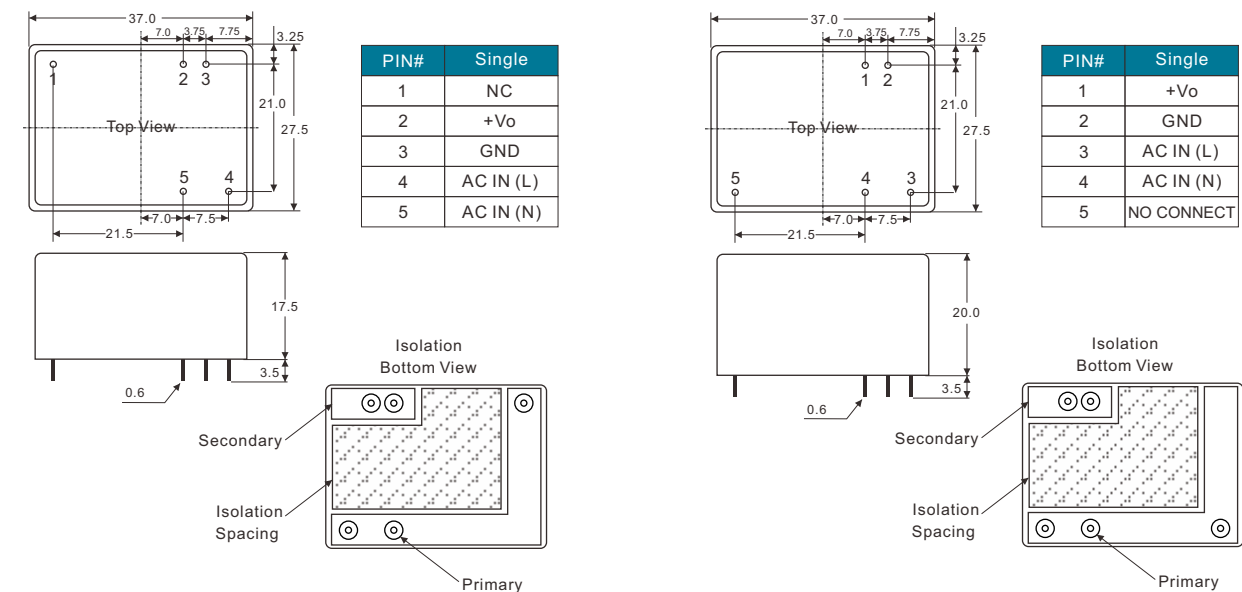
The figure displays four graphs showing the power derating characteristics of different AOC series components. The y-axis for all graphs represents Load in percentage (%).

 - AOC H05 Series:** The graph plots Load (%) against Operating Temperature (°C). The load is constant at 100% from -40°C to 50°C and then derates linearly to 0% at 100°C. A 50% load point is marked at 75°C.
 - AOC H10 / AOD10 Series:** The graph plots Load (%) against Operating Temperature (°C). The load is constant at 100% from -40°C to 45°C and then derates linearly to 0% at 90°C. A 50% load point is marked at 67.5°C.
 - AOC H25 Series:** The graph plots Load (%) against Operating Temperature (°C). The load is constant at 100% from -40°C to 45°C and then derates linearly to 0% at 90°C. A 50% load point is marked at 67.5°C.
 - AFCH25 Series:** The graph plots Load (%) against Input Voltage (V). The load is constant at 100% from 100V to 264V and then drops to 0%. A note indicates $T_A = 25^\circ\text{C}$.

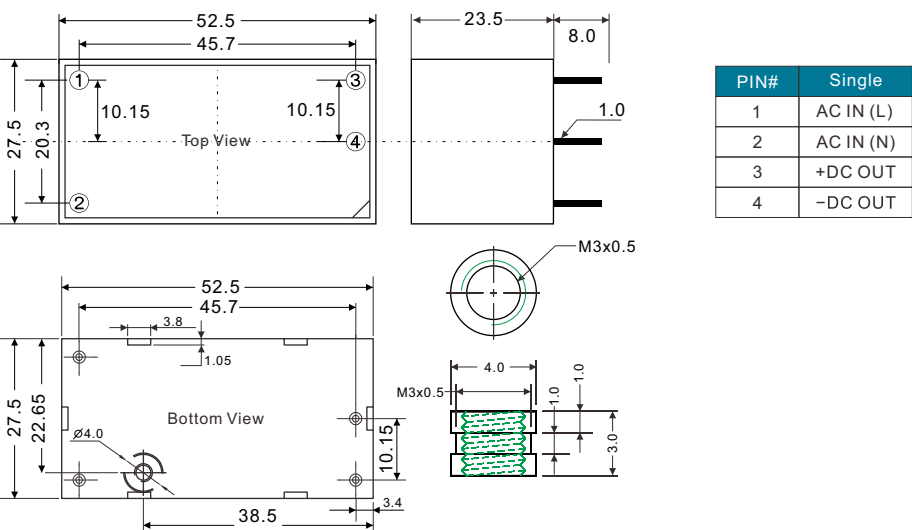


AOCH05 Series

AOCH10 / AOD10 Series



AFCH25 Series



►► AOD10 Single Output

Model No.	Input Voltage (V AC)	Output Voltage (V DC)	Output Current (mA) max.	Eff (%)
AOD10-5S	90~264	5	2000	80
AOD10-12S	90~264	12	833	84
AOD10-15S	90~264	15	667	85
AOD10-24S	90~264	24	417	85

►► AFCH25 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
AFCH25-5.1S	90~305	5.1	3922	84
AFCH25-12S	90~305	12	2083	88
AFCH25-15S	90~305	15	1666	88
AFCH25-24S	90~305	24	1042	87



30W to 60W

■ ATCH30 / ANCH50 / ARC60 Series

Features

- * Power Module for PCB Mountable
 - * Universal Input Range 90-305VAC / 90-264VAC (ARC60)
 - * Low No Load Power Consumption < 0.1W
 - * High Efficiency up to 88% / 89% / 90%
 - * Operating altitude 5000M (UL / IEC / EN 62368-1)
- * Isolation Class II
 - * EMC Compliant without External Components
 - * I/O Isolation 4000VAC
 - * Screw Terminal for Option
 - * 3-Year Product Warranty



General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	ATCH30	ANCH50	ARC60
AC Input Voltage Range	90-305 VAC or 120-430 VDC		90-264 VAC or 120-370 VDC
AC Inrush Current	30 A max. (115 VAC) / 60 A max. (230 VAC)		45 A max. (115 VAC) / 90 A max. (230 VAC)
Leakage Current	0.25 mA (max.)		
Output Voltage Accuracy	± 2%		
Ripple & Noise (Vp-p.)	5.1S:<120mV ; 12S,15S:150mV ; 24S:240mV (max.)		12S:120mV ; 15S:150mV 24S:240mV (max.)
Over Power Protection	Hiccup technique, auto-recovery		Auto-recovery
Over Voltage Protection	Zener diode clamp		
Short Circuit Protection	Hiccup mode (automatic recovery)		
Isolation (Input-Output)	4000 VAC		
Operating Temperature	-40 °C to +85 °C	-40 °C to +70 °C	-40 °C to +85 °C
Temperature Coefficient	± 0.02%/°C		± 0.05%/°C
Dimensions (L x W x H)	64.3 x 45.1 x 21.7 mm		74.2 x 47.0 x 23.1 mm
(Tolerance ± 0.5 mm)	2.53 x 1.78 x 0.85 inches		2.92 x 1.85 x 0.91 inches
Cooling Method	Free air convection		
Safety	UL / IEC / EN 62368-1, IEC / EN 60950-1, IEC / EN 60335-1, IEC / EN 61558-2-16		
EMI (Conducted & Radiated Emission)	EN 55032 Class B		
EMS (Noise Immunity)	EN 55035		

Model No.

▶▶ ATCH30 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ATCH30-5.1S	90~305	5.1	4600	84
ATCH30-12S	90~305	12	2500	88
ATCH30-15S	90~305	15	2000	87
ATCH30-24S	90~305	24	1250	86

▶▶ ANCH50 Single Output

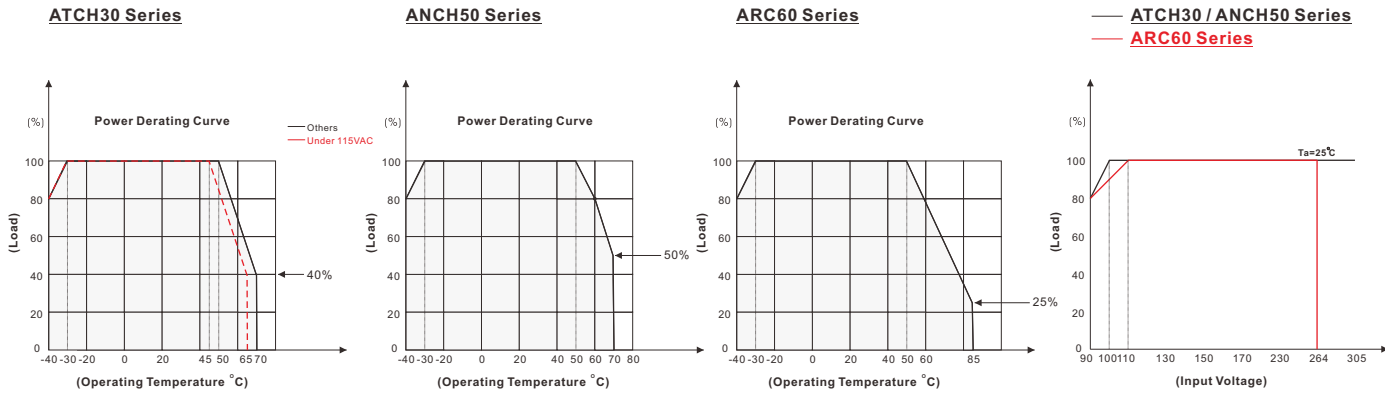
Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ANCH50-12S	90~305	12	4167	89
ANCH50-15S	90~305	15	3333	88
ANCH50-24S	90~305	24	2083	88

▶▶ ARC60 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ARC60-12S	90~264	12	5000	90
ARC60-15S	90~264	15	4000	90
ARC60-24S	90~264	24	2500	89

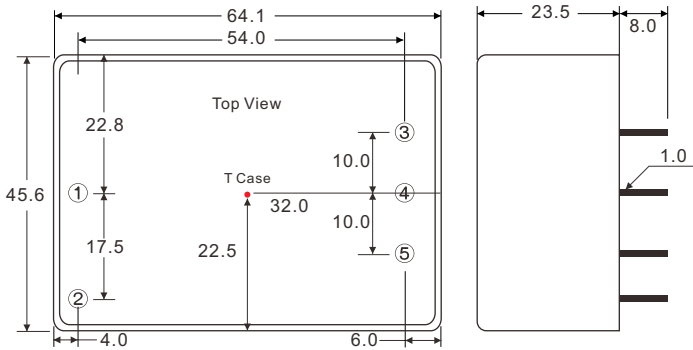
30W to 60W

Derating



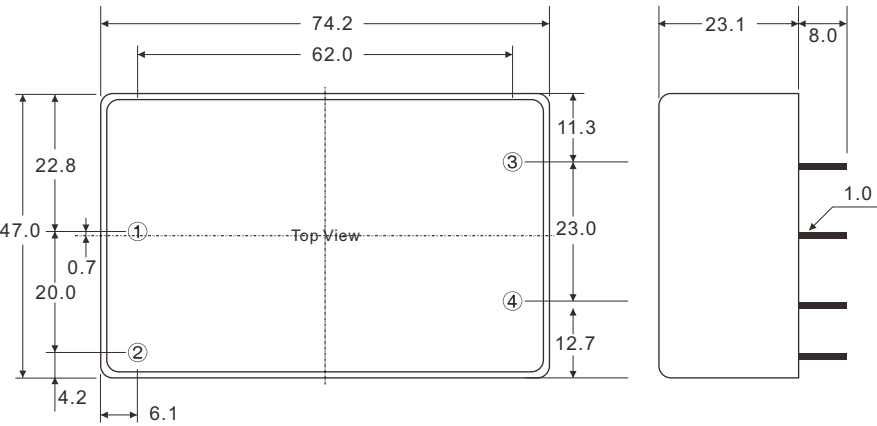
Outline Dimensions & Pin Connections (Tolerance ±0.5 mm)

ATCH30 Series



PIN#	Single
1	AC IN (N)
2	AC IN (L)
3	-DC OUT
4	NC
5	+DC OUT

ANCH50 / ARC60 Series



PIN#	Single
1	AC IN (N)
2	AC IN (L)
3	-DC OUT
4	+DC OUT

15W to 20W

MFC15 / MTC / MZC20 Series

Features

- * Power Module for PCB Mountable

* Universal Input Range 90-264VAC

* Regulated Single, Dual, and Triple Output (MTC)

* Low No Load Power Consumption < 0.1W (MFC15/MZC20)

* Low Leakage Current < 0.1mA / 264 VAC (Touch Current)

* Cooling by free air convection
- * Low Ripple and Noise

* Medical safety approved, 2XMOPP

* Isolation Class II

* I/O Isolation: 4000VAC

* 3-Year Product Warranty



General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	MFC15	MTC	MZC20
AC Input Voltage Range	90-264 VAC or 120-370 VDC	90-264 VAC or 120-375 VDC	90-264 VAC or 120-370 VDC
AC Inrush Current	20 A max. (115 VAC) / 40 A max. (230 VAC)	10 A max. (115 VAC) / 20 A max. (230 VAC)	20 A max. (115 VAC) / 40 A max. (230 VAC)
Leakage Current	<0.1 mA (max.)		
Output Voltage Accuracy	±2%	Single,Dual:±2% Triple:±3% / ±5%	±2%
Ripple & Noise (Vp-p.)	5S,9S Ripple:75mV ; 5S,9S Noise:120mV ; others:1% Vout (Full Load) (max.)	1% Vout	12S:150mV ; 24S:240mV (Full Load)
Over Power Protection	Hiccup technique, auto-recovery	—	Hiccup technique, auto-recovery
Over Voltage Protection	Zener diode clamp		
Over Current Protection	—	Above 105% rated output power	—
Short Circuit Protection	Hiccup mode (automatic recovery)		
Isolation (Input-Output)	4000 VAC		
Operating Temperature	-40 °C to +80 °C	-25 °C to +70 °C	-40 °C to +80 °C
Temperature Coefficient	±0.05%/°C	±0.01%/°C	±0.05%/°C
Dimensions (L x W x H) (Tolerance ±0.5 mm)	52.5 x 27.5 x 23.5 mm 2.07 x 1.08 x 0.93 Inches	64.1 x 45.6 x 23.5 mm 2.52 x 1.8 x 0.93 inches	52.5 x 27.5 x 23.5 mm 2.07 x 1.08 x 0.93 inches
Cooling Method	Free air convection		
Safety	MFC15,MZC20: UL / IEC / EN 60601 3.1 st Edition (2 x MOPP), UL / IEC / EN 60950 Am2 MTC: UL / IEC / EN 60601 3.1 st Edition (2 x MOPP)		
EMI (Conducted & Radiated Emission)	EN 55011 Class B		
EMS (Noise Immunity)	EN 60601-1-2 4th Edition		

Model No.

►► MFC15 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MFC15-5S	90~264	5	3000	79
MFC15-9S	90~264	9	1666	80
MFC15-12S	90~264	12	1250	84
MFC15-15S	90~264	15	1000	84
MFC15-24S	90~264	24	625	85

►► MZC20 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MZC20-12S	90~264	12	1667	83
MZC20-24S	90~264	24	833	82

►► MTC Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MTC-3.3S	90~264	3.3	3000	75
MTC-5S	90~264	5	3000	79
MTC-7.35S	90~264	7.35	2040	79
MTC-9S	90~264	9	1666	80
MTC-12S	90~264	12	1250	81
MTC-15S	90~264	15	1000	82
MTC-24S	90~264	24	625	83

►► MTC Dual Output

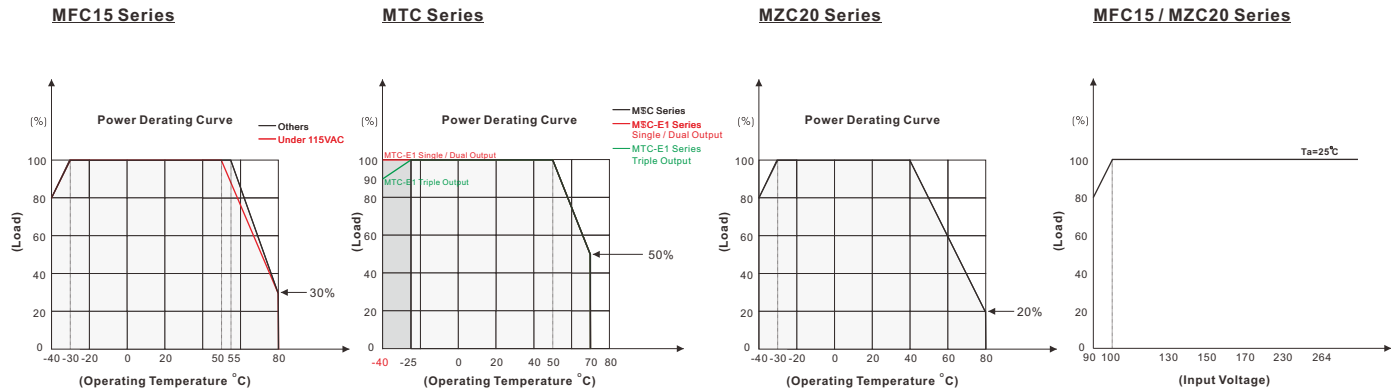
Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MTC-5D	90~264	± 5	± 1500	79
MTC-12D	90~264	± 12	± 625	82
MTC-15D	90~264	± 15	± 500	82

►► MTC Triple Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MTC-5S12D	90~264	5 / ± 12	2000 / ± 200	78
MTC-5S15D	90~264	5 / ± 15	2000 / ± 150	78

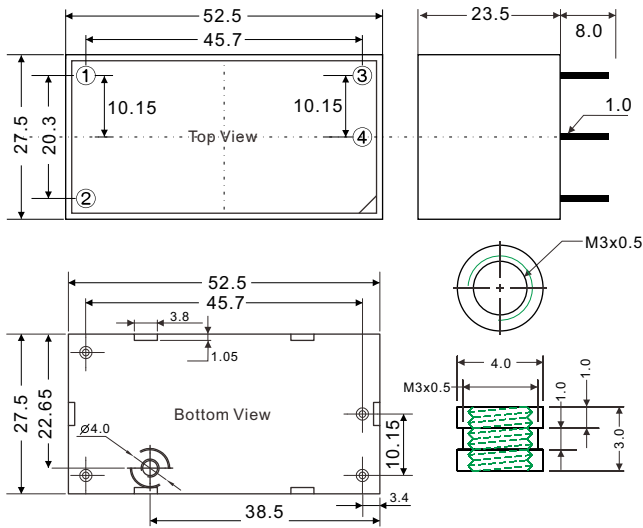
15W to 20W

Derating



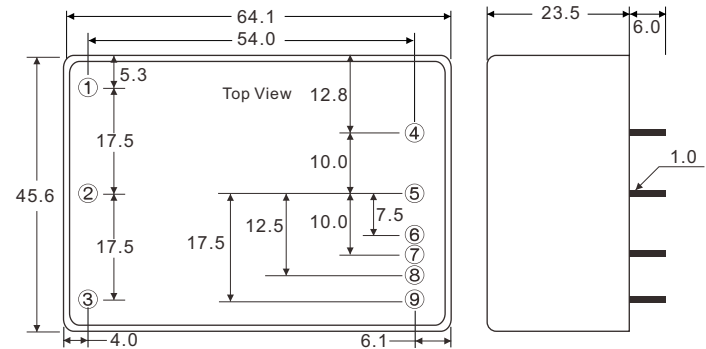
Outline Dimensions & Pin Connections (Tolerance ±0.5 mm)

MFC15 / MZC20 Series



PIN#	Single
1	AC IN (L)
2	AC IN (N)
3	+DC OUT
4	-DC OUT

MTC Series



PIN#	Single	Dual	Triple
1	NO PIN	NO PIN	NO PIN
2	AC IN (L)	AC IN (L)	AC IN (L)
3	AC IN (N)	AC IN (N)	AC IN (N)
4	-DC OUT	-DC OUT	+5V RTN
5	NO PIN	COMMON	+5V OUT
6	NO PIN	NO PIN	-DC OUT
7	+DC OUT	+DC OUT	NO PIN
8	NO PIN	NO PIN	COMMON
9	NO PIN	NO PIN	+DC OUT

Features

- * Power Module for PCB Mountable
 - * Universal Input Range 90-264VAC
 - * Regulated Single, Dual, and Triple Output (MSC)
 - * Low No-Load Power Consumption (see spec. sheet)
 - * Low Leakage Current < 0.1mA / 264 VAC (Touch Current)
 - * Cooling by free air convection
- * Low Ripple and Noise
 - * Medical safety approved, 2XMOPP
 - * Isolation Class II
 - * I/O Isolation: 4000VAC
 - * 3-Year Product Warranty



General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	MTC30	MSC	MSC60
AC Input Voltage Range	90-264 VAC or 120-370 VDC	90-264 VAC or 100-375 VDC	90-264 VAC or 120-370 VDC
AC Inrush Current	30 A max. (115 VAC) / 60 A max. (230 VAC)	55 A max. (115 VAC) / 95 A max. (230 VAC)	
Leakage Current	<0.1 mA (max.)		
Output Voltage Accuracy	±2%	Single,Dual:±2% 5S12S,5S24S,Triple:±3% / ±5%	±2%
Ripple & Noise (Vp-p.)	5S:100mV ; 12S,15S:150mV 24S:240mV (max.)	3.3S:50mV ; others:1% Vout	5S,9S:100mV ; others:1% Vout (max.)
Over Power Protection	Hiccup technique, auto-recovery	—	
Over Voltage Protection	Zener diode clamp		
Over Current Protection	—	Above 105% rated output power	Auto-recovery
Short Circuit Protection	Hiccup mode (automatic recovery)		Auto-recovery
Isolation (Input-Output)	4000 VAC		
Operating Temperature	-40 °C to +80 °C	-25 °C to +70 °C	-40 °C to +80 °C
Temperature Coefficient	±0.05%/°C	±0.01%/°C	±0.05%/°C
Dimensions (L x W x H) (Tolerance ±0.5 mm)	64.1 x 45.6 x 23.5 mm 2.52 x 1.08 x 0.93 inches	89.0 x 63.5 x 27.0 mm 3.5 x 2.5 x 1.06 inches	
Cooling Method	Free air convection		
Safety	MTC30, MSC60: UL / IEC / EN 60601 3.1 st Edition (2 x MOPP), UL / IEC / EN 60950 Am2		
	MSC: UL / IEC / EN 60601 3.1 st Edition (2 x MOPP)		
EMI (Conducted & Radiated Emission)	EN 55011 Class B		
EMS (Noise Immunity)	EN 60601-1-2 4th Edition		

Model No.

►► MTC30 Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MTC30-5S	90~264	5	5000	84
MTC30-12S	90~264	12	2500	89
MTC30-15S	90~264	15	2000	86
MTC30-24S	90~264	24	1250	86

►► MSC Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MSC-3.3S	90~264	3.3	8000	74
MSC-5S	90~264	5	8000	79
MSC-9S	90~264	9	4444	82
MSC-12S	90~264	12	3333	83
MSC-15S	90~264	15	2666	83
MSC-24S	90~264	24	1667	83

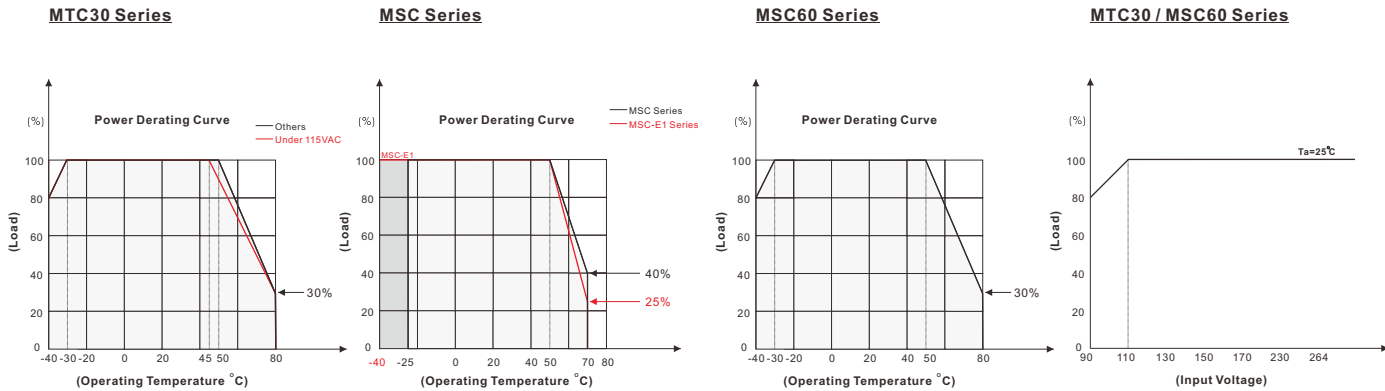
►► MSC Dual Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MSC-5D	90~264	±5	±4000	80
MSC-12D	90~264	±12	±1666	83
MSC-15D	90~264	±15	±1333	83
MSC-5S12S	90~264	5 / 12	5000 / 1250	80
MSC-5S24S	90~264	5 / 24	5000 / 625	80

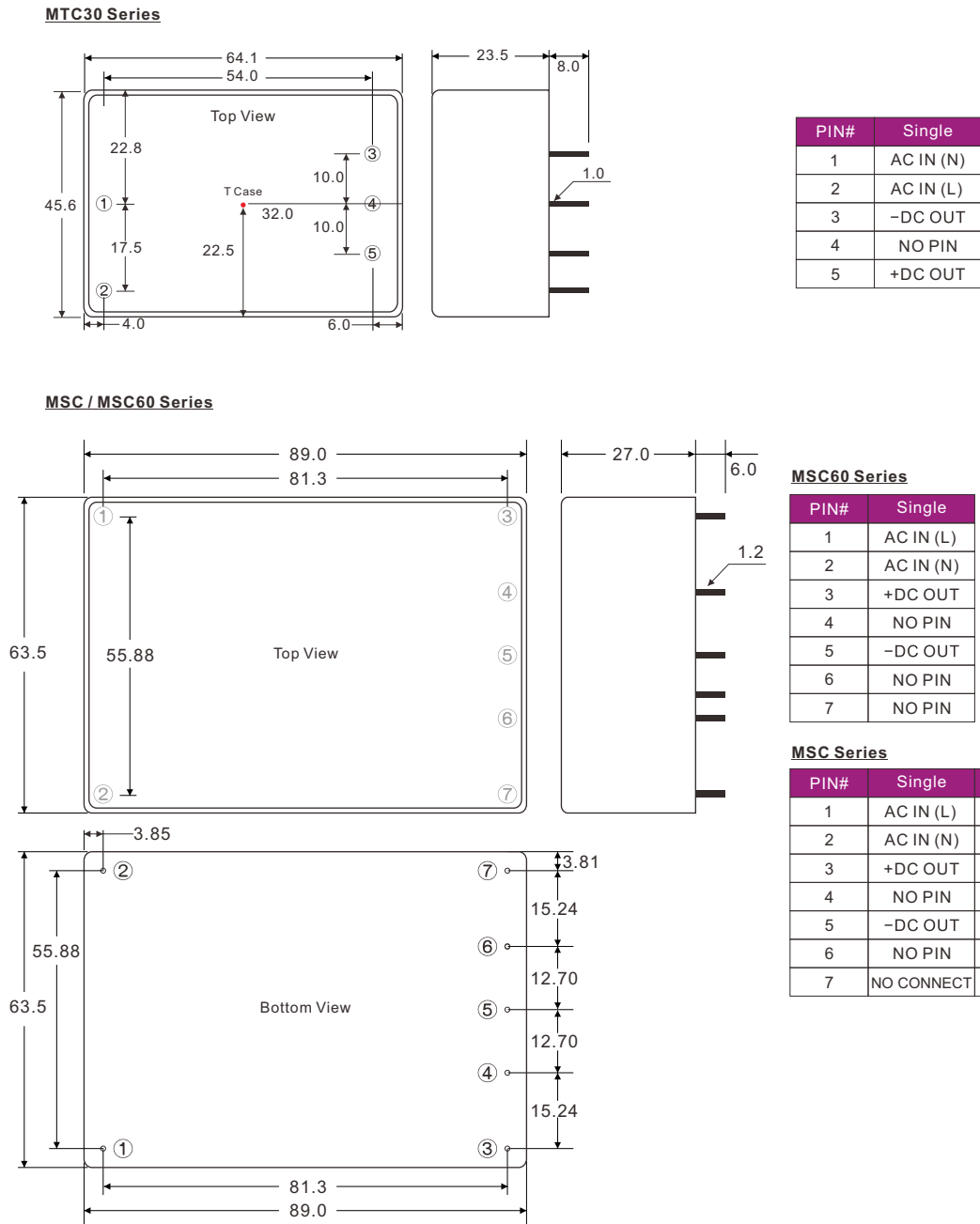
►► MSC Triple Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MSC-5S12D	90~264	5 / ±12	5000 / ±600	79
MSC-5S15D	90~264	5 / ±15	5000 / ±500	79

Derating



Outline Dimensions & Pin Connections (Tolerance ±0.5 mm)

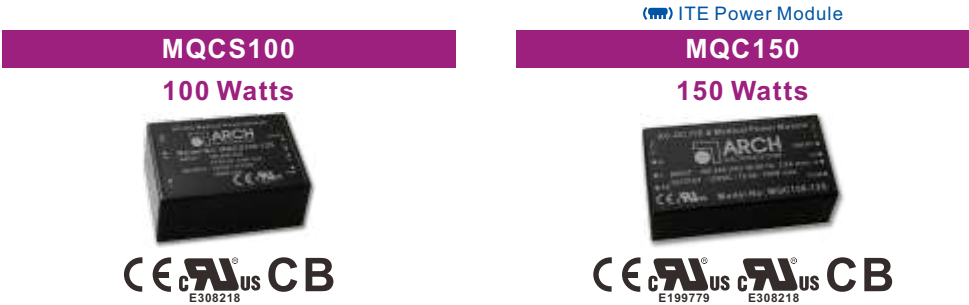


100W / 150W

MQCS100 / MQC150 Series

Features

- * Power Module for PCB Mountable
 - * Universal Input Range 90-264VAC
 - * High Efficiency up to 90% (MQCS100) / 93.5% (MQC150)
 - * With P.F.C. Function >0.9
 - * Low No-Load Power Consumption (see spec. sheet)
 - * Low Leakage Current < 0.1mA / 264 VAC (Touch Current)
 - * Cooling by free air convection
- * Medical safety approved, 2xMOPP
 - * EMI for Both Class I (with PE) and Class II (without PE) Configuration
 - * Suitable for BF Application with Appropriate System Consideration
 - * I/O Isolation: 4000VAC
 - * Screw Terminal for Option
 - * 3-Year Product Warranty



General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series	MQCS100	MQC150
AC Input Voltage Range	90-264 VAC	
AC Inrush Current	40 A max. (115 VAC) / 70 A max. (230 VAC)	45 A max. (115 VAC) / 90 A max. (230 VAC)
Leakage Current	<0.1 mA (max.)	
Output Voltage Accuracy	±2%	
Ripple & Noise (Vp-p.)	12S:160mV ; others:1% Vout (max.)	1% Vout (max.)
Over Power Protection	Auto recovery, Hiccup mode	
Over Voltage Protection	Auto recovery, Hiccup mode	Auto recovery
Overt Temperature Protection	Latch off	Auto recovery
Short Circuit Protection	Protection level 1 (nominal): Continuous, Auto recovery Protection level 2 (instantaneous high current): Latch	
Isolation (Input-Output)	4000 VAC or 5656 VDC	
Operating Temperature	-30 °C to +70 °C	
Temperature Coefficient	±0.05%/°C	
Dimensions (L x W x H)	83.5 x 58.2 x 35.0 mm (Tolerance ±0.5 mm)	109.0 x 58.5 x 35.0 mm 4.3 x 2.3 x 1.38 inches
Cooling Method	Free air convection	
Safety	MQCS100: UL / IEC / EN 60601 3.1 st Edition (2 x MOPP) MQC150: UL / IEC / EN 60601 3.1 st Edition (2 x MOPP), UL / IEC / EN 60950-1 AM2, UL / IEC / EN 62368-1	
EMI (Conducted & Radiated Emission)	Conducted: EN 55011 Class B Radiated: EN 55011 Class I class B / Class II class A	
EMS (Noise Immunity)	EN 60601-1-2 4th Edition	

Model No.

MQCS100 Single Output

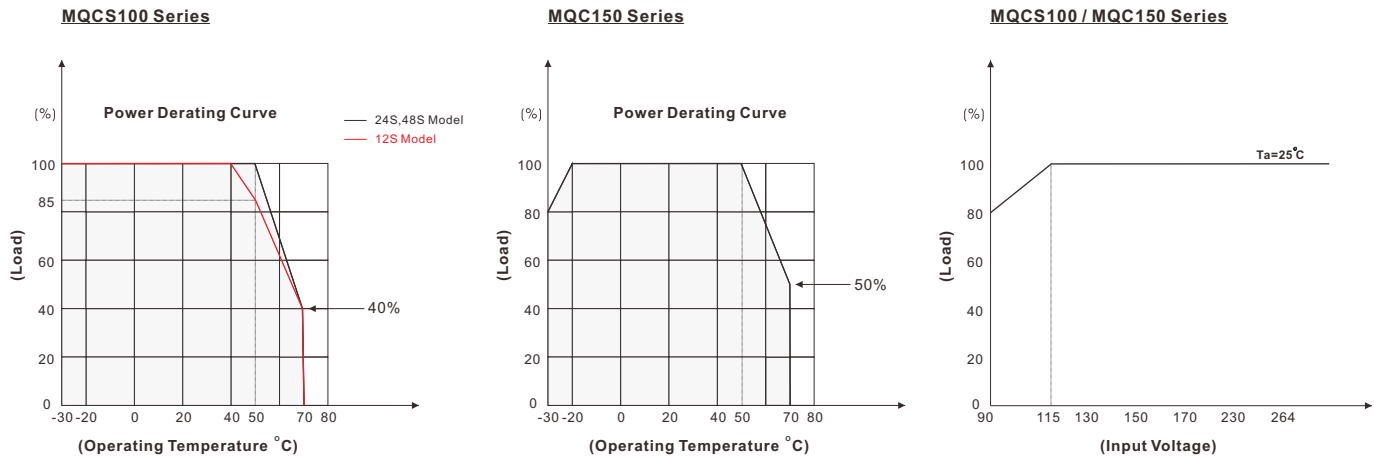
Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MQCS100-12S	90~264	12	8333	90
MQCS100-24S	90~264	24	4167	90
MQCS100-48S	90~264	48	2083	90

MQC150 Single Output

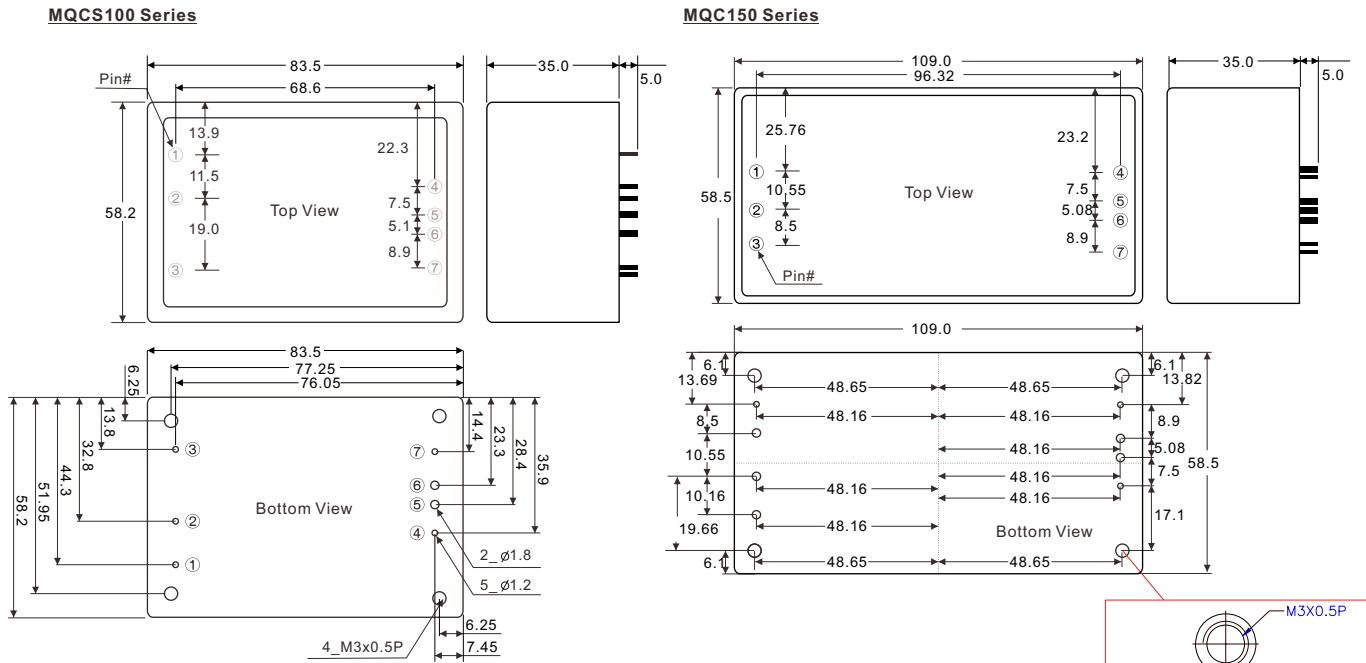
Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
MQC150-12S	90~264	12	12500	93
MQC150-24S	90~264	24	6250	93.5
MQC150-48S	90~264	48	3125	93.5

100W / 150W

Derating

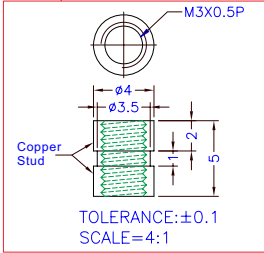


Outline Dimensions & Pin Connections (Tolerance ±0.5 mm)



PIN#	Single
1	PE
2	AC IN (N)
3	AC IN (L)
4	ON / OFF
5	+DC OUT
6	-DC OUT
7	TRIM

PIN#	Single
1	AC IN (N)
2	AC IN (L)
3	PE
4	ON / OFF
5	+DC OUT
6	-DC OUT
7	TRIM





60W

SZA60 Series

Features

- * Open Frame / U Bracket Package
 - * Universal Input Range 90-264VAC
 - * O/P Voltage: 5,12,15,24,48VDC
 - * Low No Load Power Consumption < 0.3W
- * Cooling by free air convection
 - * I/O Isolation: 3000VAC
 - * Safety Approval to UL / IEC / EN 62368-1
 - * 3-Year Product Warranty

SZA60O

Open Frame Type



76.3 x 50.6 x 31.5 mm
3.0 x 2.0 x 1.24 inches



SZA60U

U Bracket Type



80.0 x 59.7 x 38.0 mm
3.15 x 2.35 x 1.5 inches



General specifications

Series	SZA60O / SZA60U
AC Input Voltage Range	90-264 VAC or 120-370 VDC
AC Inrush Current	35 A max. (115 VAC) / 70 A max. (230 VAC)
Output Voltage Accuracy	± 2%
Ripple & Noise (Vp-p.)	5S:75mV ; 12S:100mV ; 15S:125mV ; 24S:150mV ; 48S:200mV (max.)
Over Power Protection	Auto recovery
Over Voltage Protection	Zener diode clamp
Short Circuit Protection	Auto recovery
Isolation (Input-Output)	3000 VAC or 4242 VDC
Operating Temperature	-30 °C to +70 °C
Temperature Coefficient	±0.02%/°C
Cooling Method	Free air convection
Safety	UL / IEC / EN 62368-1, IEC / EN 60950-1
EMI (Conducted & Radiated Emission)	EN 55032 Class B
EMS (Noise Immunity)	EN 55024

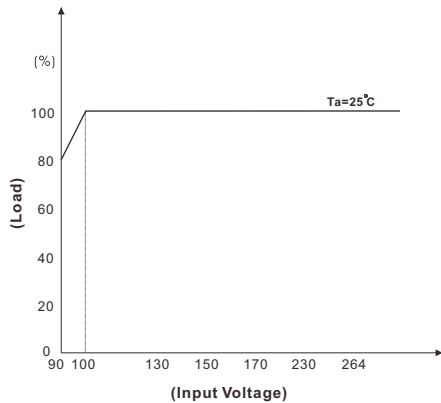
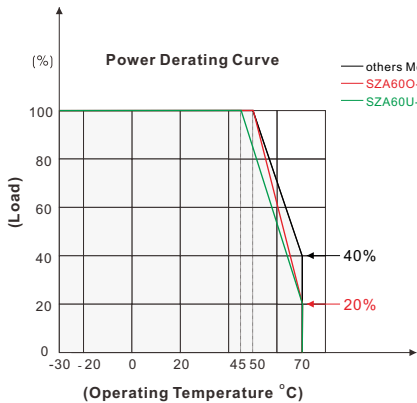
For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.

Model No.

SZA60O / SZA60U Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
SZA60O-5S SZA60U-5S	90~264	5	10000	81
SZA60O-12S SZA60U-12S	90~264	12	5000	87
SZA60O-15S SZA60U-15S	90~264	15	4000	87
SZA60O-24S SZA60U-24S	90~264	24	2500	88
SZA60O-48S SZA60U-48S	90~264	48	1250	88

Derating



60W

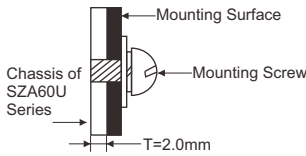
Outline Dimensions & Pin Connections (Tolerance ±0.5 mm)

SZA60O / SZA60U Series

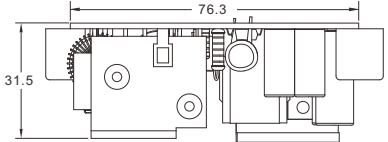
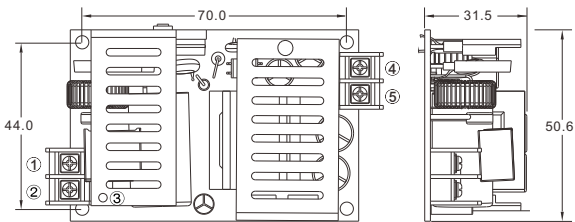
Brands		
PIN#	Single	Terminal
1	AC IN (N)	ANYTEK YK-312-2P
2	AC IN (L)	
3	FG /PE	—
4	+DC OUT	ANYTEK YK-312-2P
5	-DC OUT	

ASSEMBLY INSTRUCTIONS

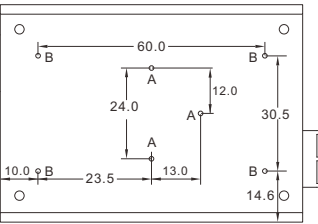
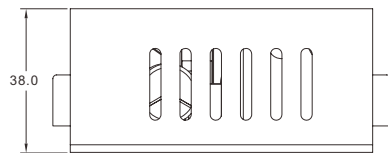
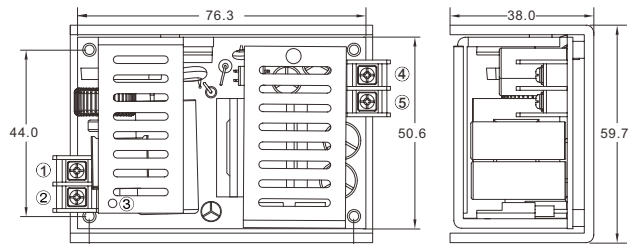
*U Case T=2.0mm
Customer is advised to screw into the threads no more than 2.0mm



SZA60O Series



SZA60U Series



A= For fixture to din rail clip only
A=M3x0.5P
B=For fixture to pcb/chassis only
B=M3x0.5P
Torque:3±0.5 Kgf.cm



Features

- * Open Frame / U Bracket Package / Enclosed
 - * Universal Input Range 90~264VAC
 - * O/P Voltage: 5,12,15,24,48VDC
 - * High Efficiency up to 93%
 - * With P.F.C. Function >0.95
- * Low Leakage Current < 0.5mA
 - * Low Ripple and Noise
 - * I/O Isolation: 4000VAC
 - * Safety Approval to UL / IEC / EN 62368-1
 - * 3-Year Product Warranty

Standard Type		A Type	B Type
5S	5S N/A	5S N/A	5S N/A
AC IN	AC IN	AC IN	AC IN
DC OUT	DC OUT	DC OUT	DC OUT

Please refer to the types of terminal block; the pictures shown are for illustration purpose only, actual product may vary.

AQF1200

Open Frame Type



5S: 127.0 x 76.2 x 31.5 mm
5.0 x 3.0 x 1.24 inches
12S~48S: 127.0 x 76.2 x 29.5 mm
5.0 x 3.0 x 1.16 inches

CE  CB
E199779

AQF120U

U Bracket Type



127.0 x 82.2 x 38.1 mm
5.0 x 3.24 x 1.5 inches

CE  CB
E199779

AQF120E

Enclosed Type



127.0 x 82.2 x 38.1 mm
5.0 x 3.24 x 1.5 inches

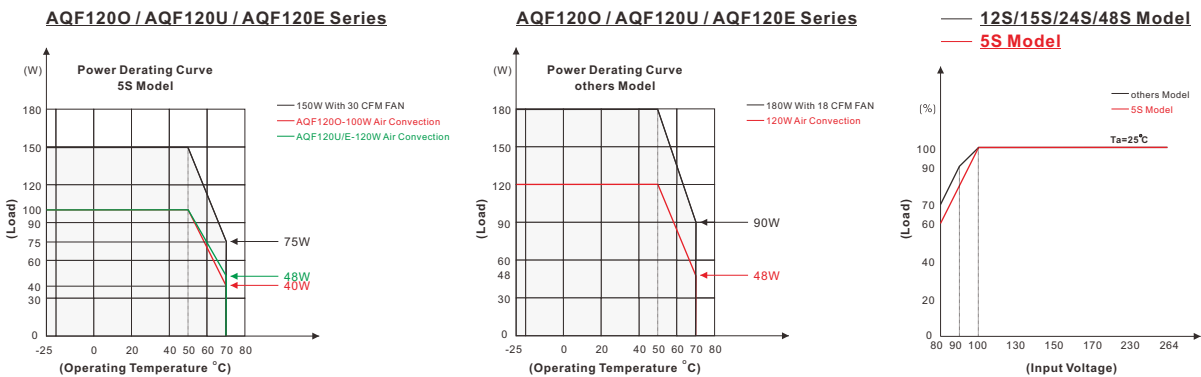
CE  CB
E199779

General specifications

Series	AQF1200 / AQF120U / AQF120E
AC Input Voltage Range	90-264 VAC or 120-370 VDC (80~274 VAC or 110~390 VDC with Derating)
AC Inrush Current	<30 A max. (115 VAC) / <60 A max. (230 VAC)
Output Voltage Accuracy	±2%
Output Voltage Adj. Range	±5% Output Voltage
Ripple & Noise (Vp-p.)	5S,24S:100mV ; 12S,15S:50mV ; 48S:200mV (max.)
Over Power Protection	Auto recovery
Over Voltage Protection	Auto recovery (> 125% Vout) (5S N/A)
Short Circuit Protection	Protection level 1 (nominal) : Continuous, Auto recovery Protection level 2 : (instantaneous high current) Latch
Isolation (Input-Output)	4000 VAC or 5656 VDC
Operating Temperature	-25 °C to +70 °C
Temperature Coefficient	±0.03%/°C (0~50°C)
Cooling Method	Free convection 5S:30 CFM FAN 12S~48S:18 CFM FAN
Safety	UL/ IEC / EN 62368-1(5S,15S N/A), IEC / EN 60950-1(5S,15S N/A)
EMI (Conducted & Radiated Emission)	EN 61000-6-3 Class B, EN 55032 Class B
EMS (Noise Immunity)	EN 55024

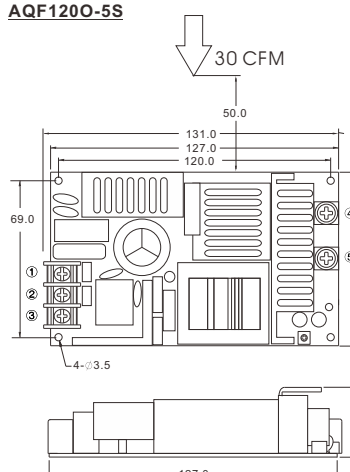
For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.

Derating



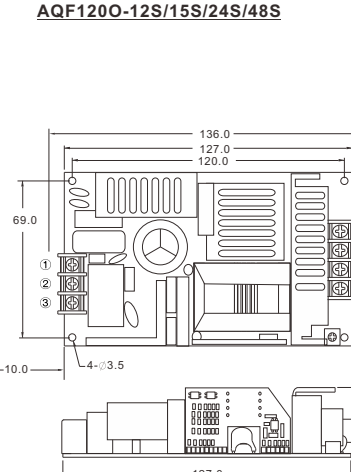
Outline Dimensions & Pin Connections

AQF1200-5S



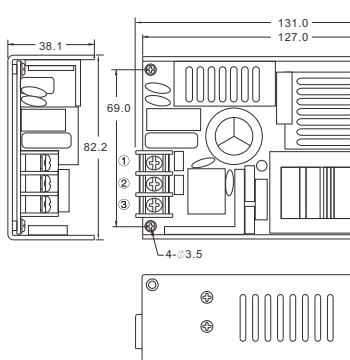
30 CFM

AQF1200-12S/15S/24S/48S



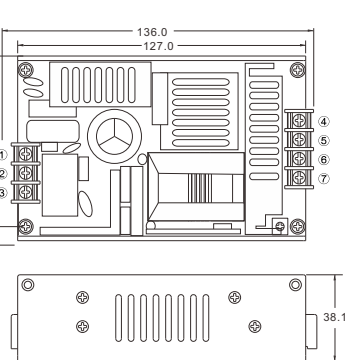
18 CFM

AQF120U-5S / AQF120E-5S



30 CFM

AQF120U-12S/15S/24S/48S



18 CFM

**Standard Type-
AQF1200 / AQF120U / AQF120E Series-(5S)**

PIN#	Single	Terminal
1	AC IN (L)	ANYTEK DG28S-B-03P
2	AC IN (N)	
3	FG	
4~5	+DC OUT	M5 Pan HD screw in 2 positions Torque to 8 lbs-in(90 cNm) max.
6~7	-DC OUT	

**Standard Type-
AQF1200 / AQF120U / AQF120E Series-(5S N/A)**

PIN#	Single	Terminal
1	AC IN (L)	ANYTEK DG28S-B-03P
2	AC IN (N)	
3	FG	
4~5	+DC OUT	ANYTEK DG28S-B-04P
6~7	-DC OUT	

**A Type-
AQF1200 / AQF120U / AQF120E Series-(5S N/A)**

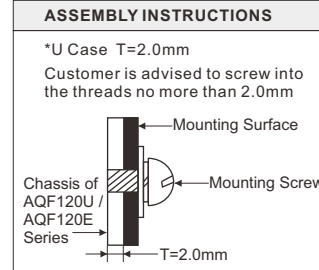
Brands	Alex	Molex			
PIN#	Single	Mating Housing	Terminal	Mating Housing	Terminal
1	AC IN (L)	8639-05N2	23T or 24T series	5195-05	5194T
2	AC IN (N)	8094-05N2	94T or 95T series		
3	FG				
4~7	+DC OUT	8639-08N2	23T or 24T series	5195-08	5194T
8~11	-DC OUT	8095-08N2	94T or 95T series		

**B Type-
AQF1200 / AQF120U / AQF120E Series-(5S N/A)**

PIN#	Single	Terminal
1	AC IN (L)	ANYTEK TI0324500010G
2	AC IN (N)	
3	FG	
4~5	+DC OUT	DINKLE DT-128V-1711-04P3
6~7	-DC OUT	

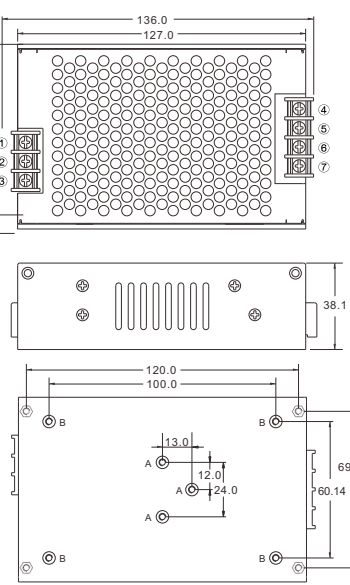
ASSEMBLY INSTRUCTIONS

*U Case T=2.0mm
Customer is advised to screw into the threads no more than 2.0mm



Mounting Surface
Mounting Screw
Chassis of AQF120U / AQF120E Series
T=2.0mm

AQF120E-12S/15S/24S/48S



18 CFM



130W

ARF130 Series

Features

- * Open Frame / U Bracket Package / Enclosed
- * Universal Input Range 90-264VAC
- * O/P Voltage: 12,24,48VDC
- * Low No Load Power Consumption < 0.3W
- * High Efficiency up to 91%
- * With P.F.C. Function >0.9
- * Low Leakage Current < 0.1mA / 264 VAC (Touch Current)
- * Operating altitude 5000M
- * EMI for Both Class I (with PE) and Class II (without PE)
- * I/O Isolation: 4000VAC
- * Safety Approval to UL / IEC / EN 62368-1
- * 3-Year Product Warranty

ARF130O

Open Frame Type



91.19 x 54.61 x 34.6 mm
3.59 x 2.15 x 1.36 inches



ARF130U

U Bracket Type



80.0 x 59.7 x 38.0 mm
3.15 x 2.35 x 1.5 inches



ARF130E

Enclosed Type



80.0 x 59.7 x 43.2 mm
3.15 x 2.35 x 1.7 inches



General specifications

Series	ARF130O / ARF130U / ARF130E
AC Input Voltage Range	90-264 VAC
AC Inrush Current	<50 A max. (115 VAC) / <85 A max. (230 VAC)
Leakage Current	<0.1 mA / 264 VAC (Touch Current)
Output Voltage Accuracy	± 2%
Output Voltage Adj. Range	± 10% Output Voltage
Ripple & Noise (Vp-p.)	12S:160mV; 24S:240mV; 48S:340mV (max.)
Over Power Protection	Protection level 1 (nominal) : Auto recovery, Hiccup mode Protection level 2 : (instantaneous high current) Latch
Over Voltage Protection	Protection level 1 (nominal) : Auto recovery Protection level 2 : (instantaneous high current) Latch
Overt Temperature Protection	Auto recovery
Short Circuit Protection	Protection level 1 (nominal) : Continuous, Auto recovery Protection level 2 : (instantaneous high current) Latch
Isolation (Input-Output)	4000 VAC or 5656 VDC
Operating Temperature	ARF130O: -30 °C to +70 °C ARF130U/E: -30 °C to +80 °C
Temperature Coefficient	±0.05%/°C
Cooling Method	ARF130O: Natural Convection 8CFM FAN ARF130U/E: Natural Convection Conduction Cooling 8CFM FAN
Safety	UL / IEC / EN 62368-1
EMI (Conducted & Radiated Emission)	Conducted: EN 55032 Class B Radiated: EN 55032 Class I class B / Class II class A
EMS (Noise Immunity)	EN 55035

For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.

Model No.

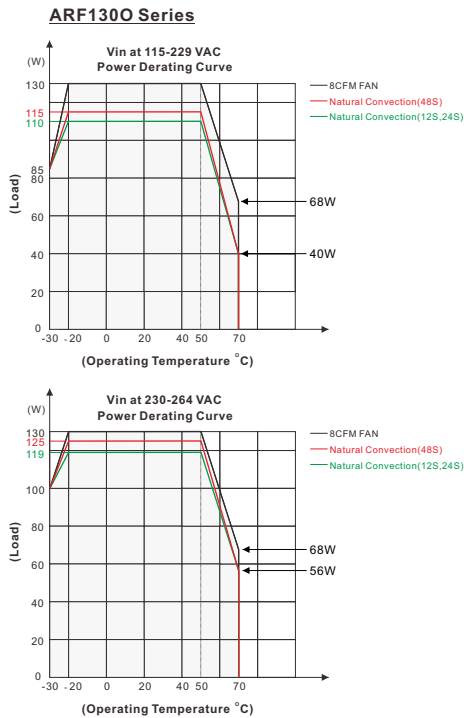
ARF130O Single Output

Model No.	I/P Voltage (V.AC)	O/P Voltage (V.DC)	Output Current (A) max.		Eff (%)
ARF130O-12S	90~264	12	Natural Convection	8 CFM FAN	90
			9.917	10.833	
ARF130O-24S	90~264	24	4.958	5.417	90
ARF130O-48S	90~264	48	2.604	2.708	91

ARF130U / ARF130E Single Output

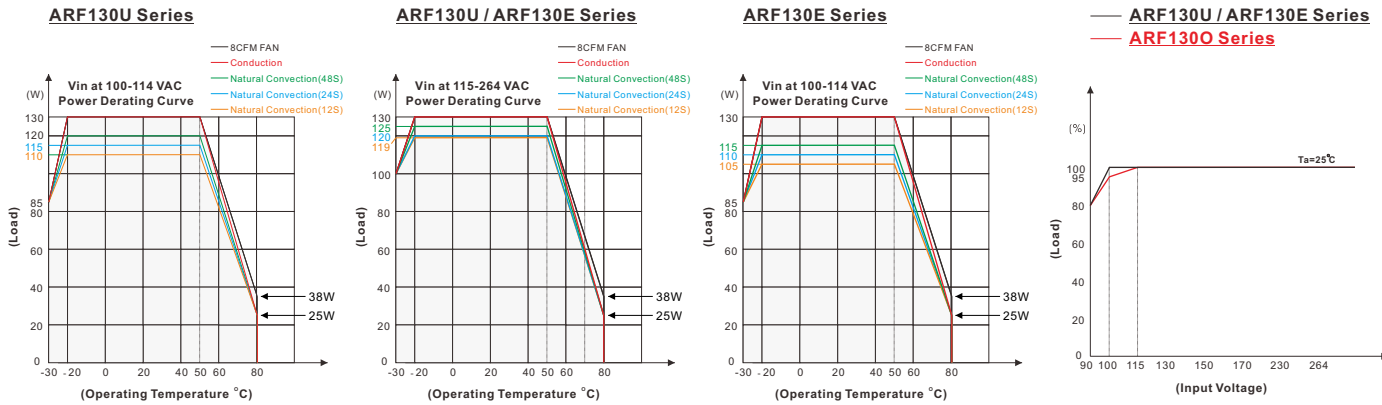
Model No.	I/P Voltage (V.AC)	O/P Voltage (V.DC)	Output Current (A) max.			Eff (%)
ARF130U-12S	90~264	12	Natural Convection	Conduction Cooling	8 CFM FAN	90
			9.917	10.833	10.833	
ARF130U-24S	90~264	24	5	5.417	5.417	90
ARF130E-24S	90~264	24	5	5.417	5.417	90
ARF130U-48S	90~264	48	2.604	2.708	2.708	91
ARF130E-48S	90~264	48	2.604	2.708	2.708	91

Derating



130W

Derating



Outline Dimensions & Pin Connections (Tolerance ±0.5 mm)

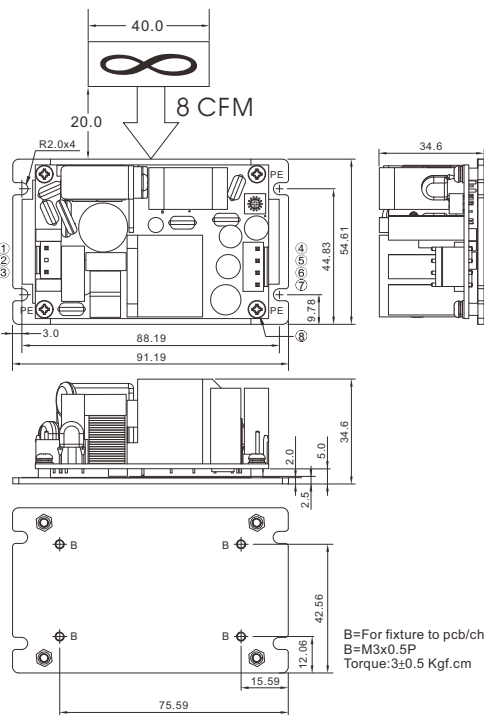
ARF130O / ARF130U / ARF130E Series

Brands		Alex		JST	
PIN#	Single	Mating Housing	Terminal	Mating Housing	Terminal
1	AC IN (N)	9396-3	96T Series	VHR-3N	SVH-41T-P1.1
2	NO PIN				
3	AC IN (L)	9396-4	96T Series	VHR-4N	SVH-41T-P1.1
4~5	+DC OUT				
6~7	-DC OUT				
8	PE	—	—	—	—

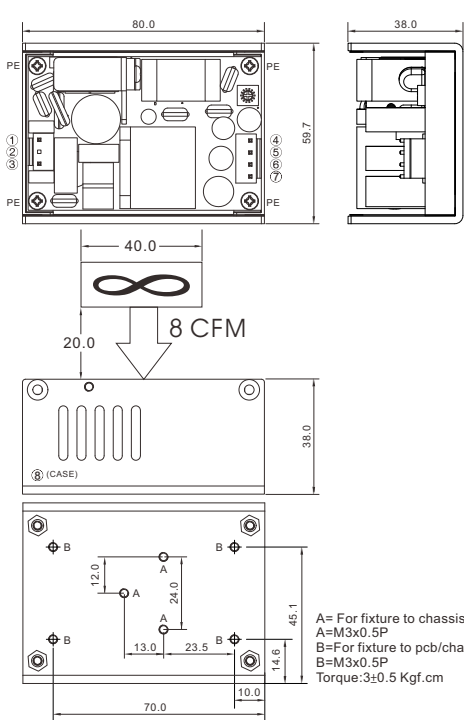
ASSEMBLY INSTRUCTIONS

ARF130O Series	ARF130U / ARF130E Series
*U Case T=2.0mm Customer is advised to screw into the threads no more than 2.0mm	*U Case T=2.5mm Customer is advised to screw into the threads no more than 2.5mm

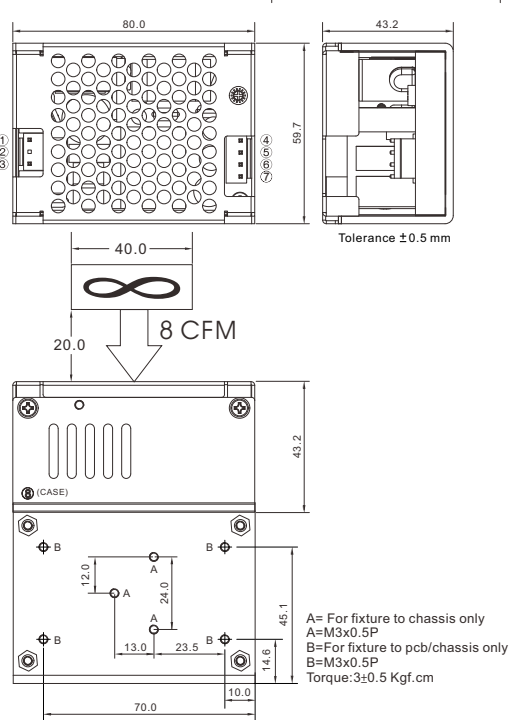
ARF130O Series



ARF130U Series



ARF130E Series





240W

AQF240 Series

Features

- * U Bracket / Enclosed Package
- * Universal Input Range 90-264VAC
- * O/P Voltage: 12,15,24,28,32,36,48VDC
- * High Efficiency up to 93%
- * With P.F.C. Function >0.95
- * Low Leakage Current < 0.5mA
- * I/O Isolation: 4000VAC
- * Safety Approval to UL / IEC / EN 62368-1
- * 3-Year Product Warranty

AQF240U

U Bracket Type



150.0 x 106.0 x 35.0 mm
6.0 x 4.18 x 1.38 inches



AQF240E

Enclosed Type



150.0 x 106.0 x 35.0 mm
6.0 x 4.18 x 1.38 inches



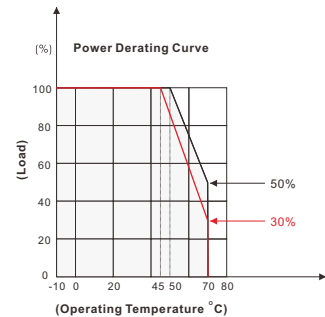
General specifications

Series	AQF240U / AQF240E
AC Input Voltage Range	90-264 VAC or 120-370 VDC
AC Inrush Current	<30 A max. (115 VAC) / <60 A max. (230 VAC)
Leakage Current	<0.5 mA (max.)
Output Voltage Accuracy	±2%
Output Voltage Adj. Range	±5% Output Voltage
Ripple & Noise (Vp-p.)	AQF240U: 5S:150mV ; 12S:120mV ; 15S~48S:200mV (max.) AQF240E: 12S~24S:120mV ; 28S~48S:200mV (max.)
Over Power Protection	Auto recovery
Over Voltage Protection	Latch off
Short Circuit Protection	Protection level 1 (nominal) : Continuous, Auto recovery Protection level 2 : (instantaneous high current) Latch
Isolation (Input-Output)	4000 VAC or 5656 VDC
Operating Temperature	-10 °C to +70 °C
Temperature Coefficient	±0.03%/°C (0~50 °C)
Cooling Method	Free convection / 18CFM
Safety	UL/ IEC / EN 62368-1, (5S,15S, 28S, 36S N/A), IEC / EN 60950-1 (5S,15S, 28S, 36S N/A)
EMI (Conducted & Radiated Emission)	EN 55032 Class B
EMS (Noise Immunity)	EN 55024

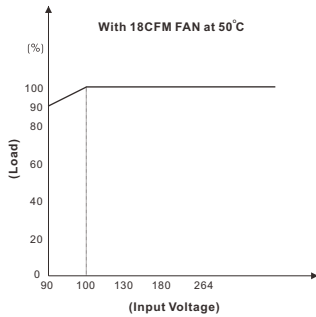
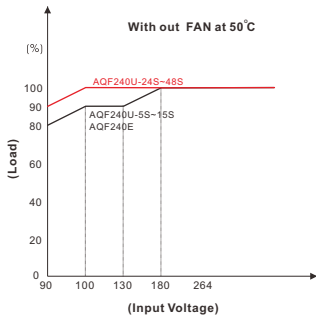
For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.

Derating

— AQF240U(5S N/A) / AQF240E Series
— AQF240U-5S



— AQF240U-5S~15S / AQF240E Series
— AQF240U-24S~48S



Outline Dimensions & Pin Connections

(Tolerance ±0.5 mm)

Standard Type-AQF240U(5S N/A) / AQF240E Series

PIN#	Single	Terminal
1	AC IN (L)	ANYTEK DG28S-B-03P
2	AC IN (N)	
3	FG	
4~5	+DC OUT	ANYTEK DG28S-B-04P
6~7	-DC OUT	

Standard Type-AQF240U-5S

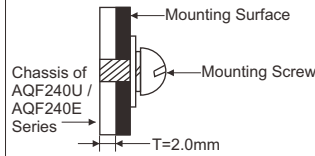
PIN#	Single	Terminal
1	AC IN (L)	ANYTEK DG28S-B-03P
2	AC IN (N)	
3	FG	
4~5	+DC OUT	M5 Pan HD screw in 2 positions Torque to 8 lbs-in(90 cNm) max.
6~7	-DC OUT	

A Type-AQF240U(5S N/A) Series

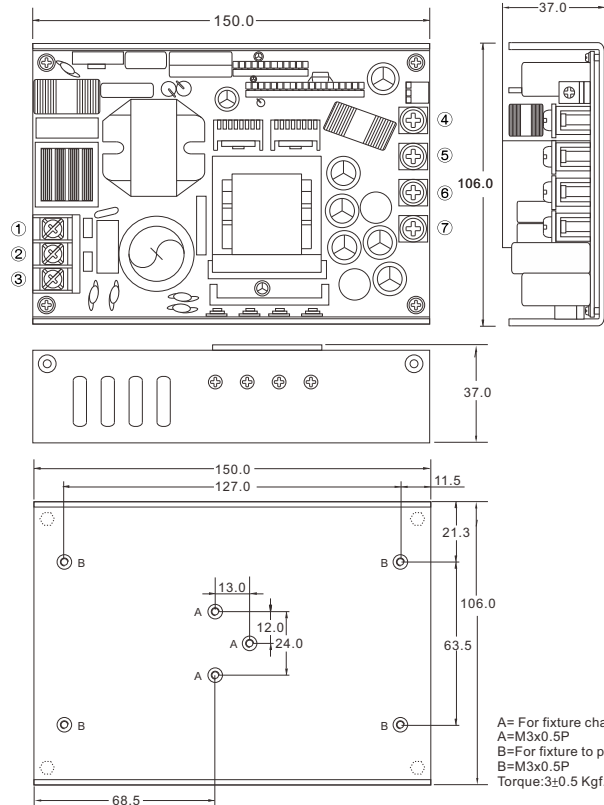
Brands		Alex		Molex	
PIN#	Single	Mating Housing	Terminal	Mating Housing	Terminal
1	AC IN (L)	8639-05N2	23T or 24T series	5195-05	5194T
2	AC IN (N)		94T or 95T series		
3	FG	8094-05N2			
4~7	+DC OUT	8639-08N2	23T or 24T series	5195-08	5194T
8~11	-DC OUT		94T or 95T series		

ASSEMBLY INSTRUCTIONS

*U Case T=2.0mm
Customer is advised to screw into the threads no more than 2.0mm

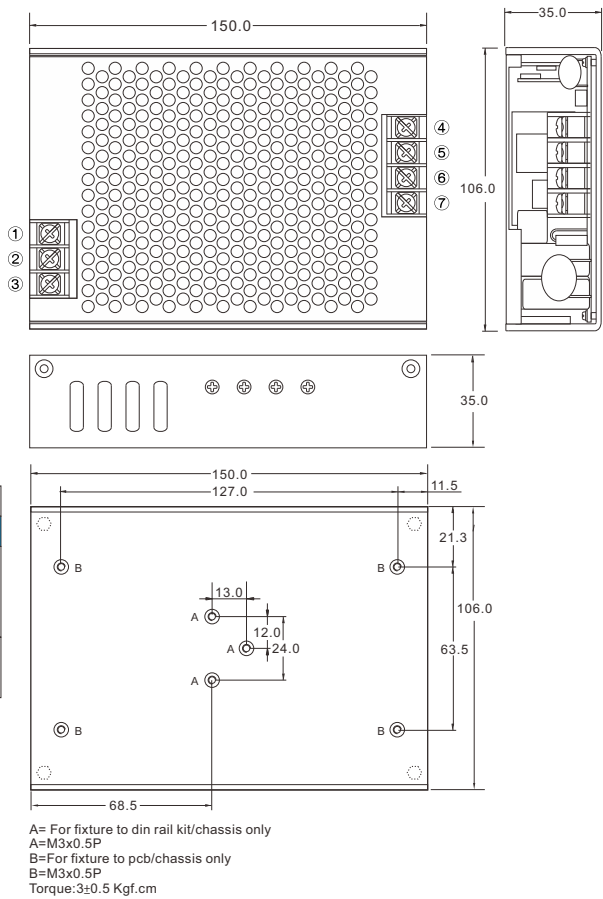


AQF240U-5S



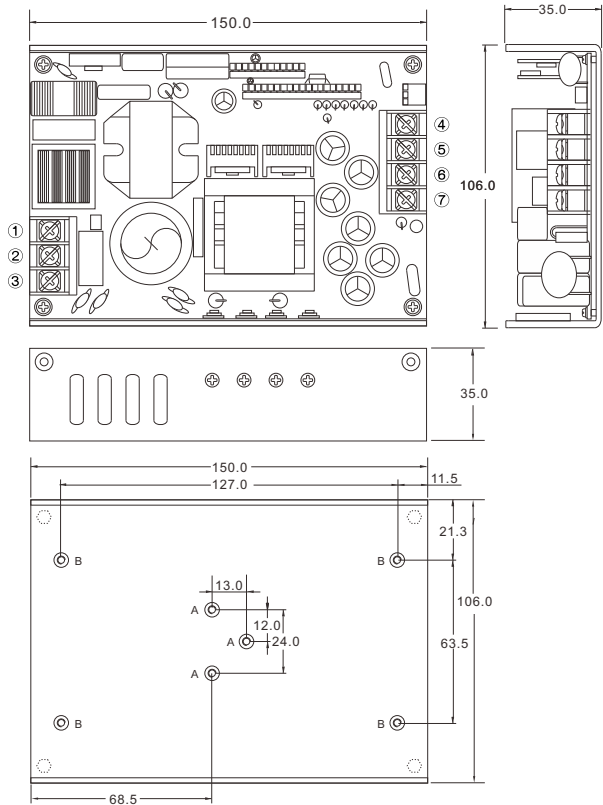
A= For fixture chassis only
A=M3x0.5P
B=For fixture to pcb/chassis only
B=M3x0.5P
Torque:3±0.5 Kgf.cm

AQF240E Series



A= For fixture to din rail kit/chassis only
A=M3x0.5P
B=For fixture to pcb/chassis only
B=M3x0.5P
Torque:3±0.5 Kgf.cm

AQF240U (5SN/A)



Tel:+886-2-2698-9508 Fax:+886-2-2698-1319 E-mail:sales@archcorp.com.tw

ARCH ELECTRONICS CORP.

240W

- * Operating altitude 5000M
- * Built-in 12V / 0.5A Fan Supply (ARF2400)
- * EMI for Both Class I (with PE) and Class II (without PE) Configuration
- * I/O Isolation: 4000VAC
- * Safety Approval to UL / IEC / EN 62368-1
- * 3-Year Product Warranty

Standard Type	A Type
AC IN 	AC IN 
DC OUT 	DC OUT 

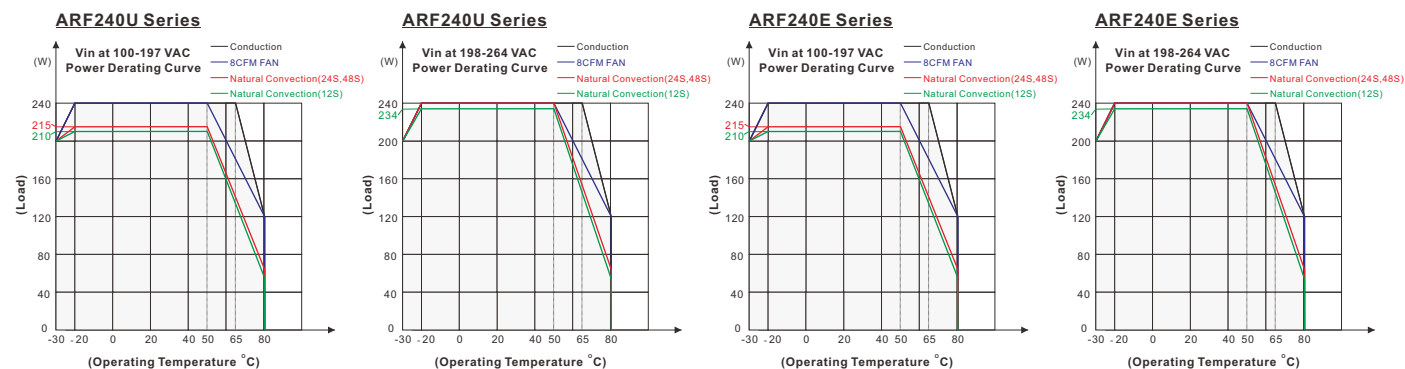
Please refer to the types of terminal block; the pictures shown are for illustration purpose only, actual product may vary.

General specifications

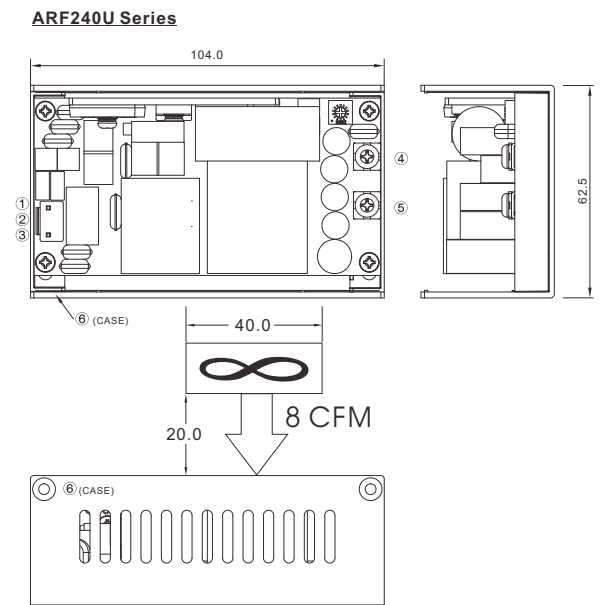
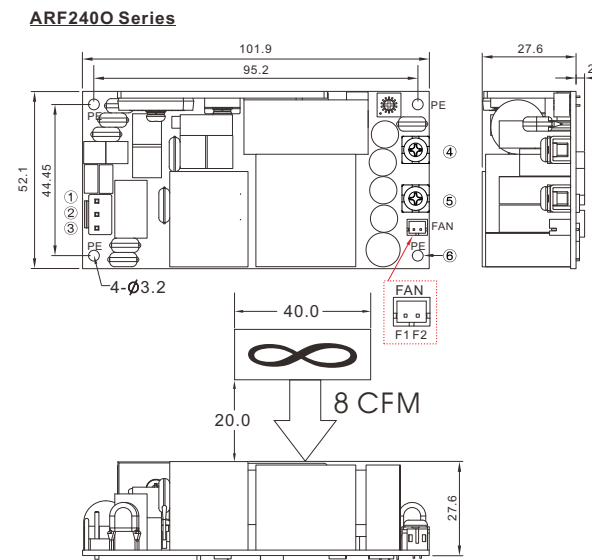
Series	ARF2400 / ARF240U / ARF240E
AC Input Voltage Range	90-264 VAC
AC Inrush Current	<45 A max. (115 VAC) / <90 A max. (230 VAC)
Leakage Current	<0.1 mA / 264 VAC (Touch Current)
Output Voltage Accuracy	± 2%
Output Voltage Adj. Range	± 5% Output Voltage
Ripple & Noise (Vp-p.)	1% Vout (max.)
Over Power Protection	Auto recovery(110-210%), Hiccup mode
Over Voltage Protection	Auto recovery
Over Temperature Protection	Auto recovery
Short Circuit Protection	Protection level 1 (nominal) : Continuous, Auto recovery Protection level 2 : (instantaneous high current) Latch
Isolation (Input-Output)	4000 VAC or 5656 VDC
Operating Temperature	-30 °C to +80 °C
Temperature Coefficient	± 0.05%/°C
Cooling Method	Natural Convection Conduction Cooling 8CFM FAN
Safety	UL / IEC / EN 62368-1, UL 60950-1
EMI (Conducted & Radiated Emission)	Conducted: EN 55032 Class B Radiated: EN 55032 Class I class B / Class II class A
EMS (Noise Immunity)	EN 55035

For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.

Derating



(Tolerance ± 0.5 mm)



Standard Type-ARF240O / ARF240U / ARF240E Series

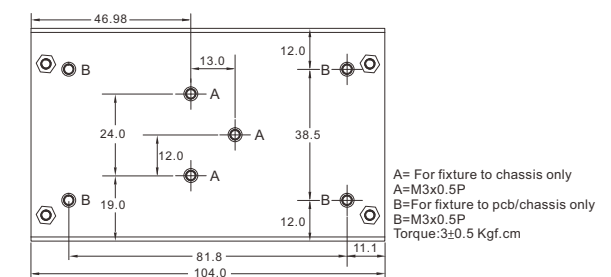
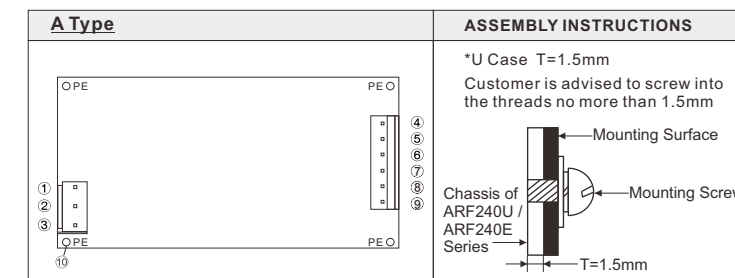
Brands		Alex		JST	
PIN#	Single	Mating Housing	Terminal	Mating Housing	Terminal
1	AC IN (N)	9396-3	96T Series	VHR-3N	SVH-41T-P1.
2	NO PIN				
3	AC IN (L)				
4	+DC OUT	Terminal :			
5	-DC OUT	M3.5 Pan HD screw in 2 positions Torque to 8 lbs-in(90 cNm) max			
6	PE	—	—	—	—

Connector Pin (FAN)-ARF240O Series

Brands		Cherng Wee		JST	
PIN#	Single	Mating Housing	Terminal	Mating Housing	Terminal
F1	+AUX OUT	CX-H20-02	CP-T20B	PHR-2	SPH-002T-P0.5L
F2	-AUX OUT				

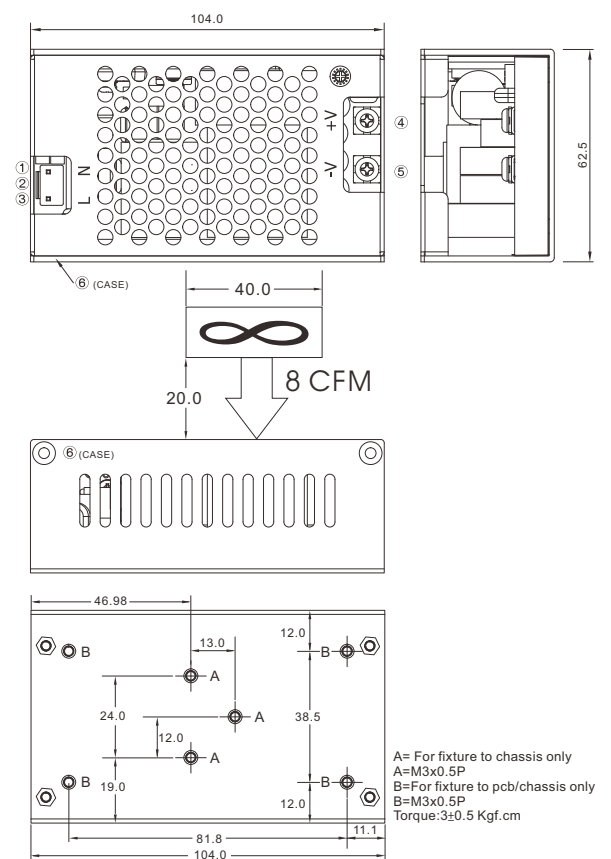
A Type-ARF240O / ARF240U / ARF240E Series

Brands		Alex		JST	
PIN#	Single	Mating Housing	Terminal	Mating Housing	Terminal
1	AC IN (N)	9396-3	96T Series	VHR-3N	SVH-41T-P1.
2	NO PIN				
3	AC IN (L)				
4~6	+DC OUT	9396-6	96T Series	VHR-6N	SVH-41T-P1.
7~9	-DC OUT				
10	PE	—	—	—	—



A= For fixture to chassis only
A=M3x0.5P
B=For fixture to pcb/chassis only
B=M3x0.5P
Torque:3±0.5 Kgf.cm

ARF240E Series



A= For fixture to chassis only
A=M3x0.5P
B=For fixture to pcb/chassis only
B=M3x0.5P
Torque:3±0.5 Kgf.cm



500W

ARF500 Series

Features

- * U Bracket / Enclosed Package
- * Universal Input Range 90-264VAC
- * O/P Voltage: 12,24,48VDC
- * High Efficiency up to 92%
- * With P.F.C. Function >0.94
- * Operating altitude 5000M
- * Low Leakage Current < 0.1mA / 264 VAC (Touch Current)
- * Built-in 12V/0.3A Auxiliary Output (ARF500O)
- * Standby 5V@1A with Fan, @0.4A without Fan (ARF500O)
- * Standby 5V@1A (ARF500E)
- * I/O Isolation: 4000VAC
- * Safety Approval to UL / IEC / EN 62368-1
- * 3-Year Product Warranty

ARF500U

U Bracket Type



130.0 x 83.0 x 40.0 mm
5.12 x 3.27 x 1.57 inches



ARF500E

Enclosed Type



130.0 x 83.0 x 62.3 mm
5.12 x 3.27 x 2.45 inches

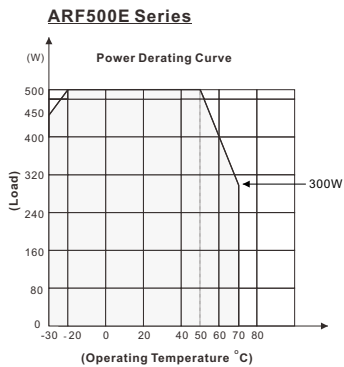
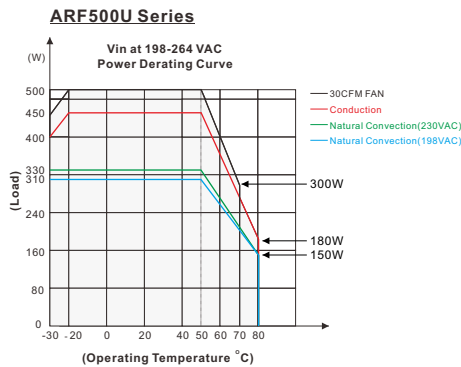
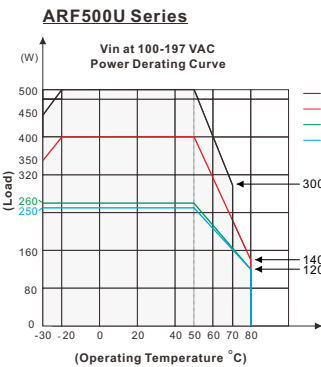


General specifications

Series	ARF500U / ARF500E
AC Input Voltage Range	90-264 VAC or 120-370 VDC
AC Inrush Current	<40 A max. (115 VAC) / <80 A max. (230 VAC)
Leakage Current	<0.1 mA / 264 VAC (Touch Current)
Output Voltage Accuracy	± 2%
Output Voltage Adj. Range	± 5% Output Voltage
Ripple & Noise (Vp-p.)	12S:160mV ; 24S:240mV ; 48S:480mV (typ.)
O.P.P. / O.V.P. / O.T.P.	Auto recovery
Short Circuit Protection	Protection level 1 (nominal) : Continuous, Auto recovery Protection level 2 : (instantaneous high current) Latch
Isolation (Input-Output)	4000 VAC or 5656 VDC
Operating Temperature	ARF500U: -30 °C to +80 °C ARF500E: -30 °C to +70 °C
Temperature Coefficient	± 0.03%/°C (0~50°C) ; ± 0.06%/°C (-30~0°C)
Cooling Method	ARF500U: Natural Convection Conduction Cooling 30CFM FAN
Safety	UL / IEC / EN 62368-1, UL 60950-1
EMI (Conducted & Radiated Emission)	Conducted: EN 55032 Class B Radiated: EN 55032 Class A
EMS (Noise Immunity)	EN 55035

For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.

Derating



Model No.

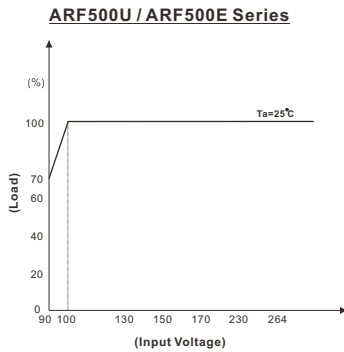
ARF500U Single Output

Model No.	I/P Voltage (V.AC)	O/P Voltage (V.DC)	Output Current (A) max.			Eff (%)
			Natural Convection	Conduction Cooling	30 CFM FAN	
ARF500U-12S	90~264	12	27.5	37.5	41.5	90.5
ARF500U-24S	90~264	24	13.75	18.75	20.8	91
ARF500U-48S	90~264	48	6.87	9.375	10.41	92

ARF500E Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.	Eff (%)
ARF500E-12S	90~264	12	41.5	90
ARF500E-24S	90~264	24	20.8	90.5
ARF500E-48S	90~264	48	10.41	91.5

Derating



Outline Dimensions & Pin Connections

(Tolerance ±0.5 mm)

ARF500U / ARF500E Series

Brands		Alex		JST				
PIN#	Single	Mating Housing	Terminal	Mating Housing	Terminal			
A, B	PE	—	—	—	—			
1	AC IN (N)	9396-3	96T Series	VHR-3N	SVH-41T-P1.1			
2	NO PIN							
3	AC IN (L)							
4	+DC OUT	Terminal : M3.5 Pan HD screw in 2 positions Torque to 8 lbs-in(90 cNm) max.						
5	–DC OUT							

Connector Pin (CN1)

Brands		Cherng Weei		JST	
PIN#	Single	Mating Housing	Terminal	Mating Housing	Terminal
C1	-5V SB	PHD-H20-2X4P	PHD-T20	PHDR-08VS	SPHD-001T-P0.5
C2	+5V SB				
C3	GND				
C4	DC-OK				
C5	-RC				
C6	+RC				
C7	-S				
C8	+S				

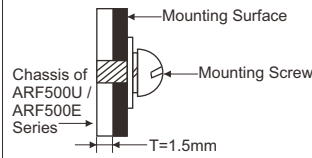
Connector Pin (FAN)

Brands		Alex		JST	
PIN#	Single	Mating Housing	Terminal	Mating Housing	Terminal
F1	+12V	8821-2	8820T	XHP-2	SXH-002T-P0.6
F2	GND				

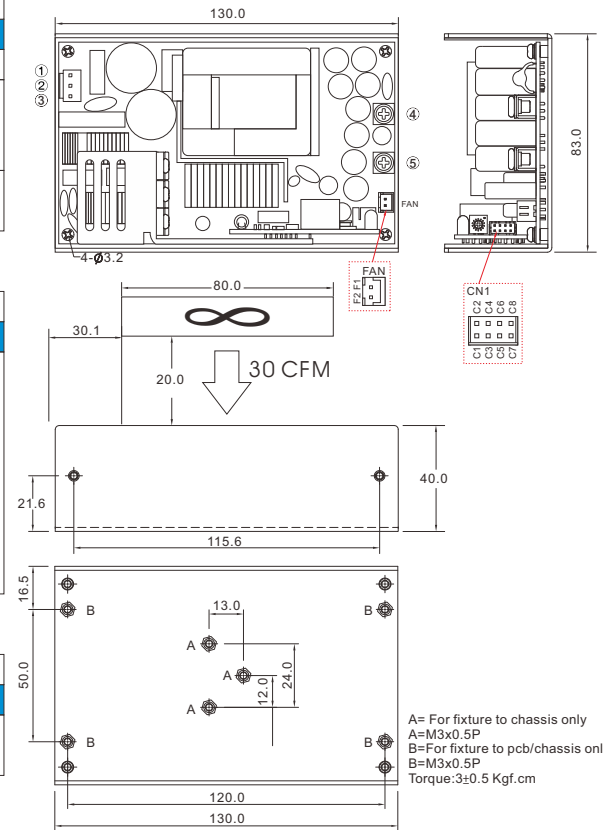
Fan output voltage will be between 10.2~13.3V, when the main output is greater than 3% of the max. load, and fan's terminal block output current is higher than 0.1A (min.)

ASSEMBLY INSTRUCTIONS

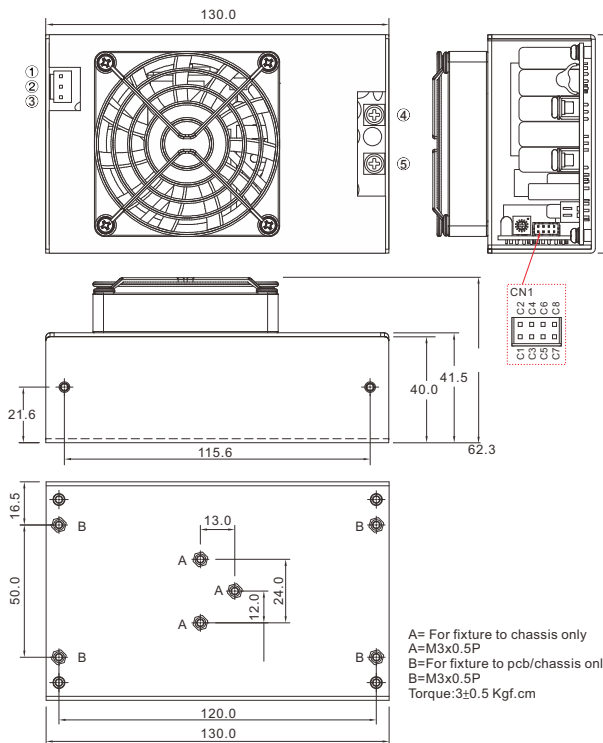
*U Case T=1.5mm
Customer is advised to screw into the threads no more than 1.5mm



ARF500U Series



ARF500E Series





700W

■ A Q F 7 0 0 / A Q F 7 0 0 C Series

Features

- * Enclosed Package
- * Universal Input Range 90-264VAC
- * O/P Voltage: 12,15,24,28,48VDC
- * High Efficiency up to 92%
- * With P.F.C. Function > 0.9
- * Remote ON/OFF Control Function for AQF700C
- * Current Share Function for AQF700C
- * Low Leakage Current < 0.1mA
- * I/O Isolation: 4000VAC
- * Safety Approval to UL / IEC / EN 62368-1
- * 3-Year Product Warranty

General specifications

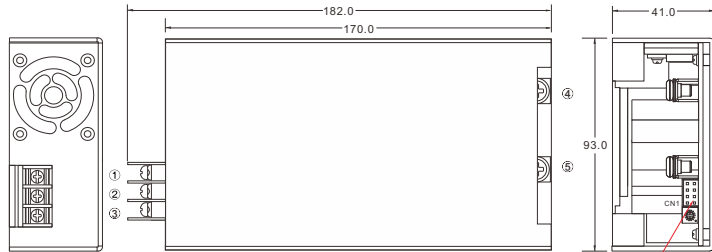
Series	AQF700 / AQF700C
AC Input Voltage Range	90-264 VAC
AC Inrush Current	<55 A max. (115 VAC) / <90 A max. (230 VAC)
Leakage Current	<0.1 mA (max.) (Input-Output)
Output Voltage Accuracy	±2%
Output Voltage Adj. Range	±5% Output Voltage
Ripple & Noise (Vp-p.)	12S,15S:160mV ; 24S:240mV ; 28S:280mV ;48S:480mV (typ.)
O.P.P. / O.V.P. / O.T.P.	Auto recovery
Short Circuit Protection	Auto recovery or Latch
Isolation (Input-Output)	4000 VAC or 5656 VDC
Operating Temperature	-30 °C to +70 °C
Temperature Coefficient	±0.03%/°C (0~50°C) ; ±0.06%/°C (-30~0°C)
Safety	UL / IEC / EN 62368-1
EMI (Conducted & Radiated Emission)	Conducted: EN 55011 Class B, EN 55032 Class B Radiated: EN 55011 Class A, EN 55032 Class A
EMS (Noise Immunity)	EN 55024, EN 60601-1-2 4th Edition

For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.

Outline Dimensions & Pin Connections (Tolerance ±0.5 mm)

AQF700 / AQF700C Series

Brands		
PIN#	Single	Terminal
A, B	PE	—
1	FG	ANYTEK YK-301-3P
2	AC IN (N)	
3	AC IN (L)	
4	+DC OUT	M5 Pan HD screw in 2 positions
5	-DC OUT	Torque to 8 lbs-in(90 cNm) max.

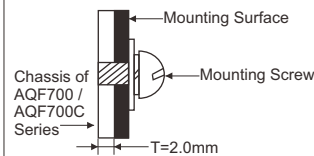


Connector Pin (CN1)

Brands		Cherng Weei		JST	
PIN#	Single	Mating Housing	Terminal	Mating Housing	Terminal
C1	+S	PHD-H20-2X4P	PHD-T20	PHDR-08VS	SPHD-001T-P0.5
C2	-S				
C3	AQF700:NC AQF700C:CS				
C4	-5V SB				
C5	GND/ -RC				
C6	+RC				
C7	PG				
C8	+5V SB				

ASSEMBLY INSTRUCTIONS

*Case T=2.0mm
Customer is advised to screw into the threads no more than 2.0mm



AQF700 / AQF700C

Enclosed Type



170.2 x 93.0 x 41.0 mm
6.7 x 3.66 x 1.61 inches

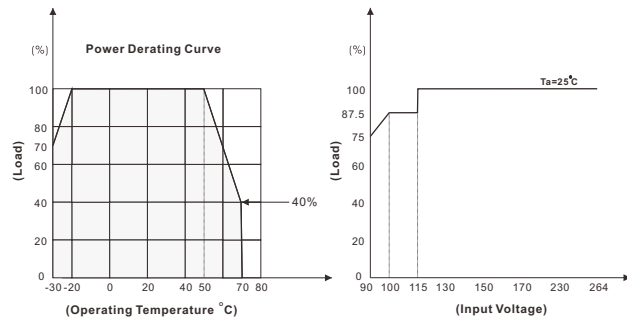


Model No.

►► AQF700 / AQF700C Single Output

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.	Eff (%)
AQF700-12S	90~264	12	52.08	89
AQF700C-12S		12	52.08	89
AQF700-15S		15	41.66	90
AQF700C-15S	90~264	15	41.66	90
AQF700-24S		24	29.16	91
AQF700C-24S		24	29.16	91
AQF700-28S	90~264	28	25	92
AQF700C-28S		28	25	92
AQF700-48S		48	14.58	92
AQF700C-48S		48	14.58	92

Derating



NEW

■ A Q F 1 0 0 0 Series

1000W

Features

- * Enclosed Package
- * Universal Input Range 90-264VAC
- * O/P Voltage: 12,24,48VDC
- * 5000M Altitude Application (OVC III:2000M)
- * Over-Voltage Category OVC III (New Edition)
- * High Efficiency up to 93%
- * With P.F.C. Function > 0.9
- * Remote ON/OFF Control Function
- * Standby 5V@1A
- * Low Leakage Current < 0.1mA
- * I/O Isolation: 4300VAC
- * Safety Approval to UL / IEC / EN 62368-1
- * 3-Year Product Warranty

General specifications

Series	AQF1000	NEW
AC Input Voltage Range	90-264 VAC	
AC Inrush Current	<70A max. (115 VAC) / <105 A max. (230 VAC)	
Leakage Current	<0.1 mA (max.) (Input-Output)	
Output Voltage Accuracy	±2%	
Output Voltage Adj. Range	±5% Output Voltage	
Ripple & Noise (Vp-p.)	12S:160mV ; 24S:240mV ; 48S:480mV (typ.)	
O.P.P. / O.V.P. / O.T.P.	Auto recovery	
Short Circuit Protection	Auto recovery	
Isolation (Input-Output)	4300 VAC or 6000 VDC	
Operating Temperature	-20 °C to +70 °C	
Temperature Coefficient	±0.03%/°C (0~50°C) ; ±0.06%/°C (-30~0°C)	
Safety	UL / IEC / EN 62368-1	
EMI (Conducted & Radiated Emission)	Conducted: EN 55032 Class B Radiated: EN 55032 Class A	
EMS (Noise Immunity)	EN 55035	

For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.

Outline Dimensions & Pin Connections (Tolerance ±0.5 mm)

AQF1000 Series

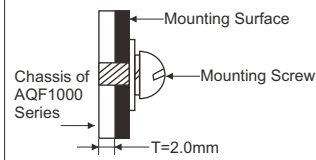
Brands		
PIN#	Single	Terminal
1	AC IN (N)	DINKLE DT-49-B01W-03
2	AC IN (L)	
3	PE	
4	-DC OUT	M5 Pan HD screw in 2 positions
5	+DC OUT	Torque to 8 lbs-in(90 cNm) max.

Connector Pin (CN1)

Brands		Cherng Weei		JST	
PIN#	Single	Mating Housing	Terminal	Mating Housing	Terminal
C1	+S	PHD-H20-2X4P	PHD-T20	PHDR-08VS	SPHD-001T-P0.5
C2	-S				
C3	NC				
C4	-5V SB				
C5	GND/ -RC				
C6	+RC				
C7	PG				
C8	+5V SB				

ASSEMBLY INSTRUCTIONS

*Case T=2.0mm
Customer is advised to screw into the threads no more than 2.0mm



AQF1000

Enclosed Type



194.5 x 102.0 x 41.0 mm
7.66 x 4.02 x 1.62 inches

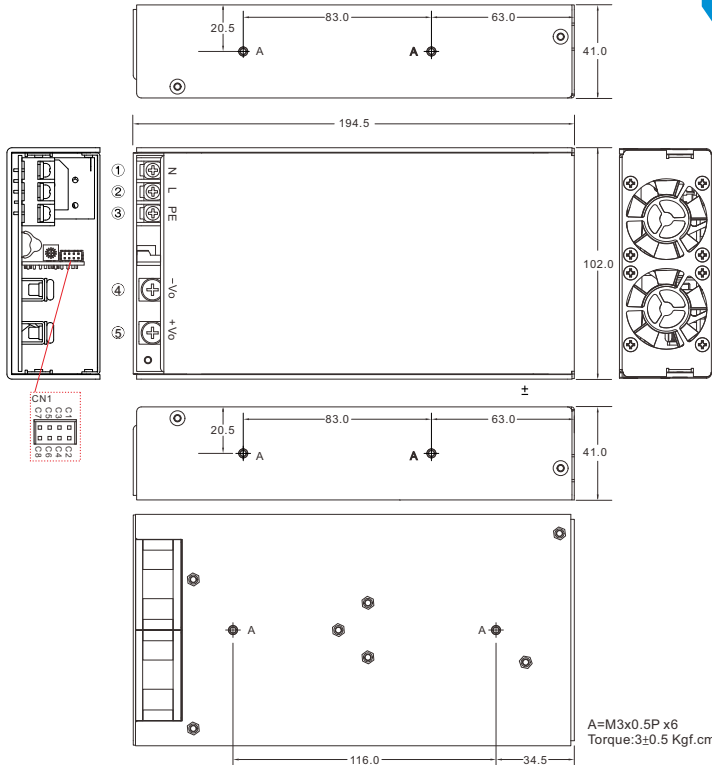
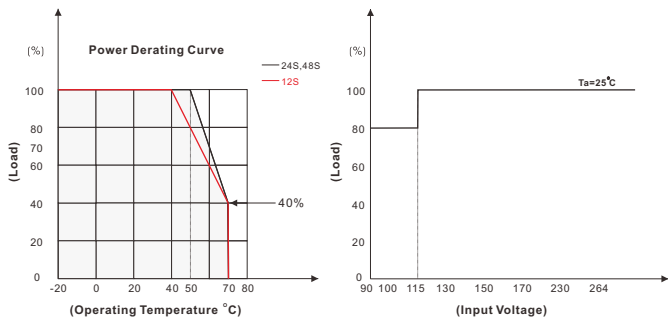


Model No.

►► AQF1000 Single Output NEW

Model No.	Input Voltage (V.AC)	Output Voltage (V.DC)	Output Current (A) max.	Eff (%)
AQF1000-12S	90~264	12	66.67	89
AQF1000-24S	90~264	24	41.67	92
AQF1000-48S	90~264	48	20.84	93

Derating



240W

MQF240 Series

Features

- * Open Frame / U Bracket Package / Enclosed
 - * Universal Input Range 90-264VAC
 - * O/P Voltage: 12,15,24,48VDC
 - * High Efficiency up to 94%
 - * With P.F.C. Function >0.9
 - * Operating altitude 5000M
 - * Low Leakage Current < 0.1mA / 264 VAC (Touch Current)
- * EMI for Both Class I (with PE) and Class II (without PE) Configuration
 - * Suitable for BF Application with Appropriate System Consideration
 - * Certification to IEC/EN/ES 60601-1 3rd edition for 2 x MOPP
 - * EMC compliance to IEC 60601-1-2 4th edition
 - * I/O Isolation: 4000VAC
 - * 3-Year Product Warranty

Standard Type

A Type

AC IN

AC IN

DC OUT

DC OUT

ITE Switching PSU

MQF240O

Open Frame Type



103.9 x 52.0 x 27.6 mm
4.1 x 2.05 x 1.087 inches



ITE Switching PSU

MQF240U

U Bracket Type



104.0 x 62.0 x 39.2 mm
4.1 x 2.44 x 1.544 inches



ITE Switching PSU

MQF240E

Enclosed Type



104.0 x 62.0 x 50.5 mm
4.1 x 2.44 x 1.99 inches



Please refer to the types of terminal block; the pictures shown are for illustration purposeonly, actual product may vary.

CE          

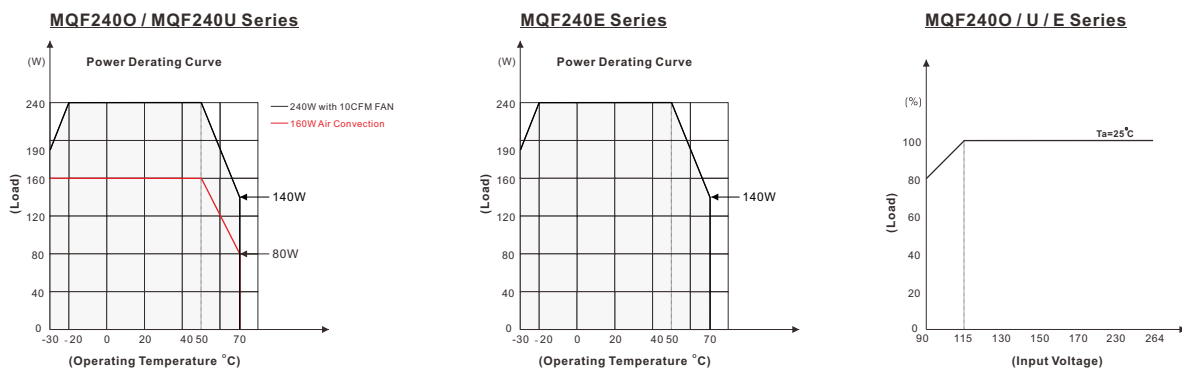
E199779 E308218

General specifications

Series	MQF240O / MQF240U / MQF240E
AC Input Voltage Range	90-264 VAC
AC Inrush Current	<45 A max. (115 VAC) / <90 A max. (230 VAC)
Leakage Current	<0.1 mA / 264 VAC (Touch Current)
Output Voltage Accuracy	± 2%
Output Voltage Adj. Range	± 4% Output Voltage
Ripple & Noise (Vp-p.)	1% Vout (max.)
Over Power Protection	Auto recovery, Hiccup mode
O.V.P. / O.T.P.	Auto recovery
Short Circuit Protection	Protection level 1 (nominal) : Continuous, Auto recovery Protection level 2 : (instantaneous high current) Latch
Isolation (Input-Output)	4000 VAC or 5656 VDC
Operating Temperature	-30 °C to +70 °C
Temperature Coefficient	± 0.05%/°C
Cooling Method	MQF240O/U: Free convection 10 CFM FAN
Safety	12S/24S/48S: UL / IEC / EN 60601 3.1 st Edition (2 x MOPP), UL / IEC / EN 62368-1, UL / IEC / EN 60950-1 AM2 15S: UL / IEC / EN 60601 3.1 st Edition (2 x MOPP), UL / IEC / EN 62368-1 (meet), UL / IEC / EN 60950-1 Am2 (meet)
EMI (Conducted & Radiated Emission)	Conducted: EN 55011 Class B Radiated: EN 55011 Class I class B / Class II class A
EMS (Noise Immunity)	EN 60601-1-2 4th Edition

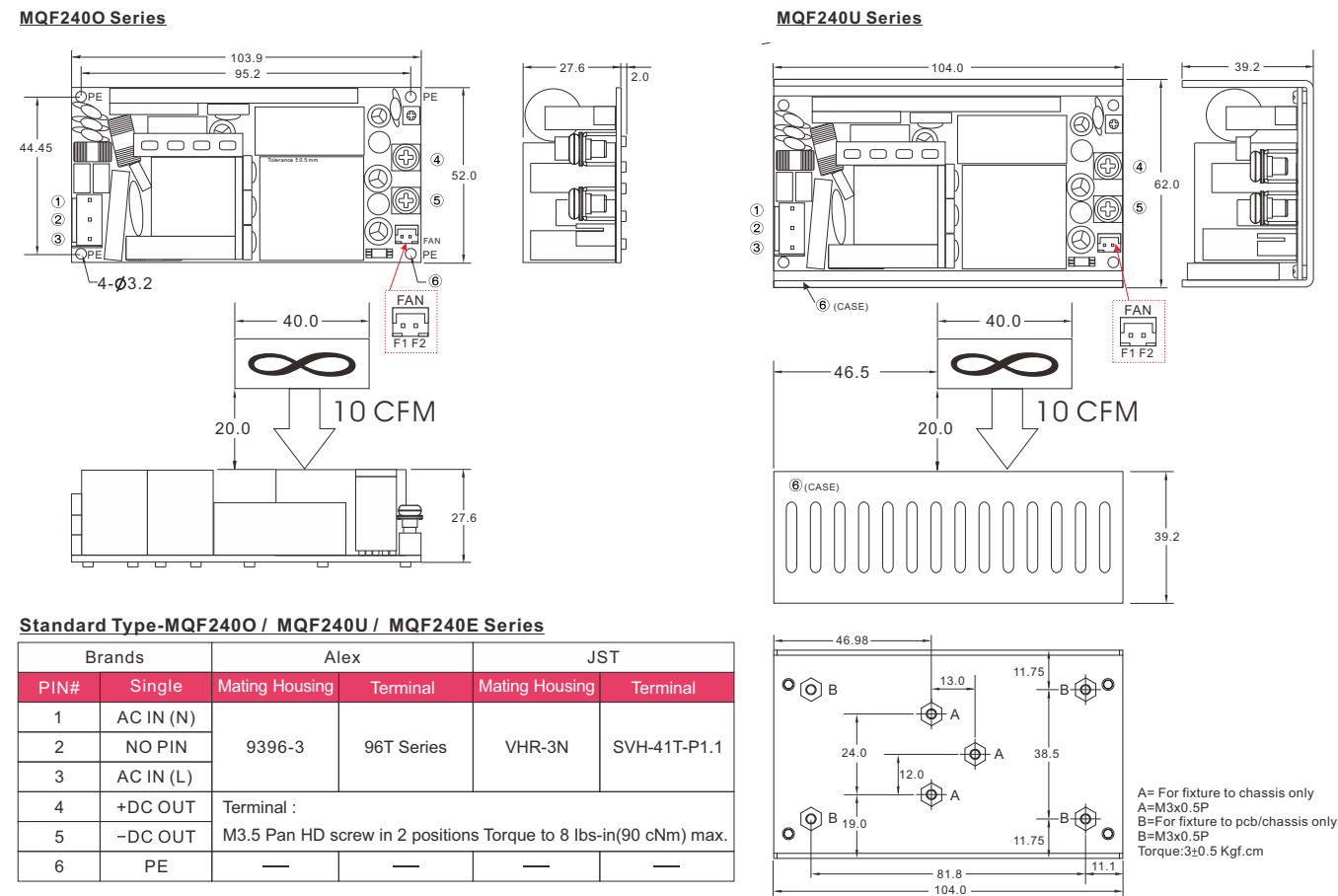
For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.

Derating



240W

Outline Dimensions & Pin Connections (Tolerance ±0.5 mm)



Connector Pin (FAN)					
Brands		Cherng Weei		JST	
PIN#	Single	Mating Housing	Terminal	Mating Housing	Terminal
F1	+AUX OUT	CX-H250-02	CX-T2501	XHP-2	SXH-002T-P0.6
F2	-AUX OUT				

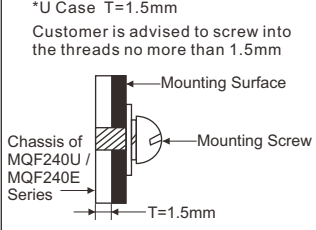
A Type-MQF240U / MQF240U / MQF240E Series					
Brands		Alex		JST	
PIN#	Single	Mating Housing	Terminal	Mating Housing	Terminal
1	AC IN (N)	9396-3	96T Series	VHR-3N	SVH-41T-P1.1
2	NO PIN				
3	AC IN (L)				
4~6	+DC OUT	9396-6	96T Series	VHR-6N	SVH-41T-P1.1
7~9	-DC OUT				
10	PE				

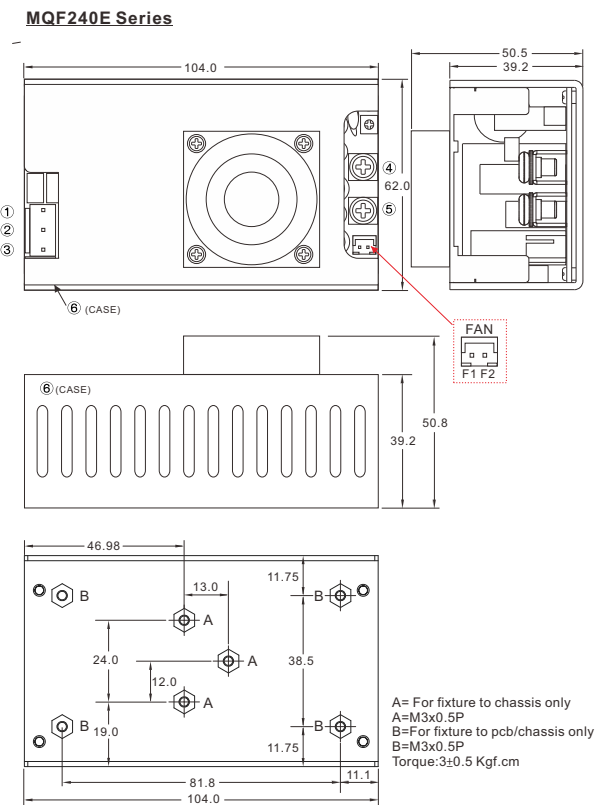
A Type



ASSEMBLY INSTRUCTIONS

*U Case T=1.5mm
Customer is advised to screw into the threads no more than 1.5mm







500W

MQF500 Series

Features

- * Open Frame / U Bracket Package / Enclosed
- * Universal Input Range 90-264VAC
- * O/P Voltage: 12,15,24,48VDC
- * High Efficiency up to 93%
- * With P.F.C. Function >0.94
- * Low Leakage Current < 0.1 mA max. (Input-Output)
- * Remote ON/OFF Function
- * Operating altitude 5000M

ITE Switching PSU

MQF500O

Open Frame Type



127.8 x 76.2 x 35.0 mm
5.03 x 3.0 x 1.38 inches



- * Current Share Function For Option (15S N/A)
- * Built-in 12V / 0.3A Auxiliary Output (MQF500O/U)
- * Suitable for BF Application with Appropriate System Consideration
- * Certification to IEC/EN/ES 60601-1 3rd edition for 2 x MOPP
- * EMC compliance to IEC 60601-1-2 4th edition
- * I/O Isolation: 4000VAC
- * 3-Year Product Warranty

ITE Switching PSU

MQF500U

U Bracket Type



139.7 x 82.55 x 40.6 mm
5.5 x 3.25 x 1.6 inches



ITE Switching PSU

MQF500E

Enclosed Type



139.7 x 82.55 x 61.4 mm
5.5 x 3.25 x 2.42 inches

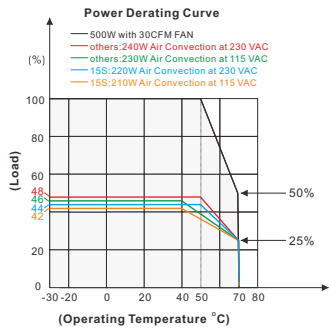


General specifications

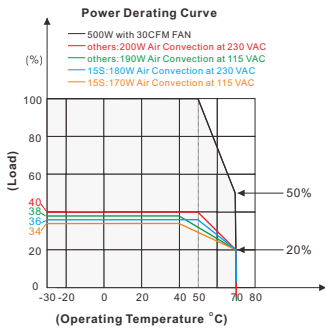
Series	MQF500O / MQF500U / MQF500E
AC Input Voltage Range	90-264 VAC or 120-370 VDC
AC Inrush Current	<40 A max. (115 VAC) / <80 A max. (230 VAC)
Leakage Current	<0.1 mA / 264 VAC (Touch Current)
Output Voltage Accuracy	±2%
Output Voltage Adj. Range	±4% Output Voltage
Ripple & Noise (Vp-p.)	12S,15S:160mV ; 24S:240mV ; 48S:480mV (typ.)
O.P.P. / O.V.P. / O.T.P.	Auto recovery
Short Circuit Protection	Protection level 1 (nominal) : Continuous, Auto recovery Protection level 2 : (instantaneous high current) Latch
Isolation (Input-Output)	4000 VAC or 5656 VDC
Operating Temperature	-30 °C to +70 °C
Temperature Coefficient	±0.03%/°C (0~50°C) ; ±0.06%/°C (-30~0°C)
Cooling Method	MQF500O/U: Free convection 30 CFM FAN
Safety	12S/24S/48S: UL / IEC / EN 60601 3.1 st Edition (2 x MOPP), UL / IEC / EN 62368-1, UL / IEC / EN 60950-1 AM2 15S: UL / IEC / EN 60601 3.1 st Edition (2 x MOPP), UL / IEC / EN 62368-1 (meet), UL / IEC / EN 60950-1 AM2 (meet)
EMI (Conducted & Radiated Emission)	Conducted: EN 55011 Class B Radiated: EN 55011 Class A
EMS (Noise Immunity)	EN 60601-1-2 4th Edition

Derating

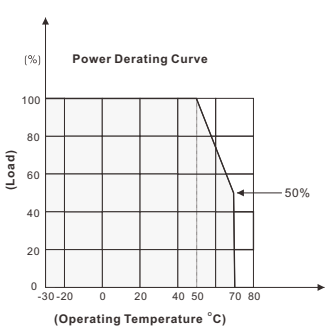
MQF500O Series



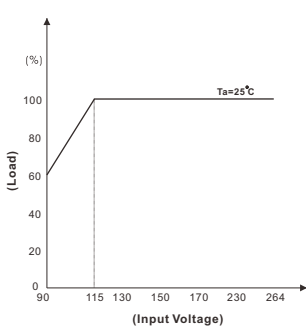
MQF500U Series



MQF500E Series



MQF500O / U / E Series



Outline Dimensions & Pin Connections

(Tolerance ±0.5 mm)

MQF500O / MQF500U / MQF500E Series

Brands		Alex		JST	
PIN#	Single	Mating Housing	Terminal	Mating Housing	Terminal
1	PE	—	—	—	—
2	AC IN (N)	9396-3	96T Series	VHR-3N	SVH-41T-P1.1
3	NO PIN				
4	AC IN (L)				
5	+DC OUT	Terminal : M5 Pan HD screw in 2 positions Torque to 8 lbs-in(90 cNm) max.			
6	–DC OUT				

Connector Pin (CN1)

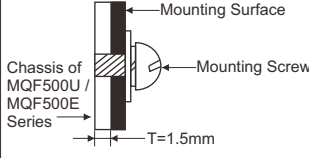
Brands		Cherng Weei		JST	
PIN#	Single	Mating Housing	Terminal	Mating Housing	Terminal
C1	-5V SB	PHD-H20-2X4P	PHD-T20	PHDR-08VS	SPHD-001T-P0.5
C2	+5V SB				
C3	GND				
C4	DC-OK				
C5	-RC				
C6	+RC				
C7	-S				
C8	+S				

Connector Pin (FAN)

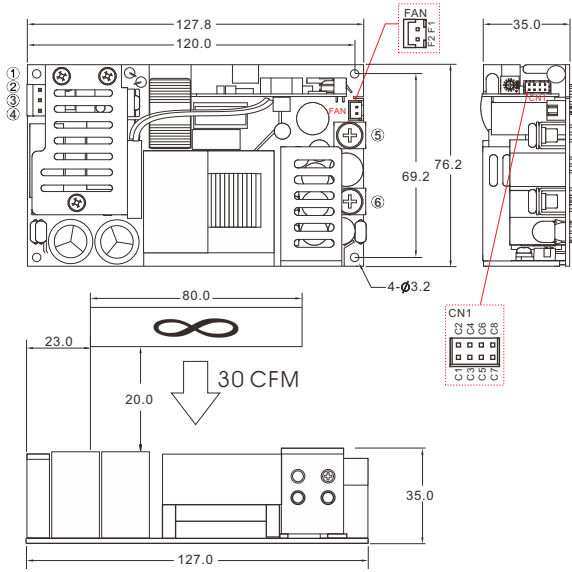
Brands		Cherng Weei		JST	
PIN#	Single	Mating Housing	Terminal	Mating Housing	Terminal
F1	+12V	CX-H250-02	CX-T2501	XHP-2	SXH-002T-P0.6
F2	GND				

ASSEMBLY INSTRUCTIONS

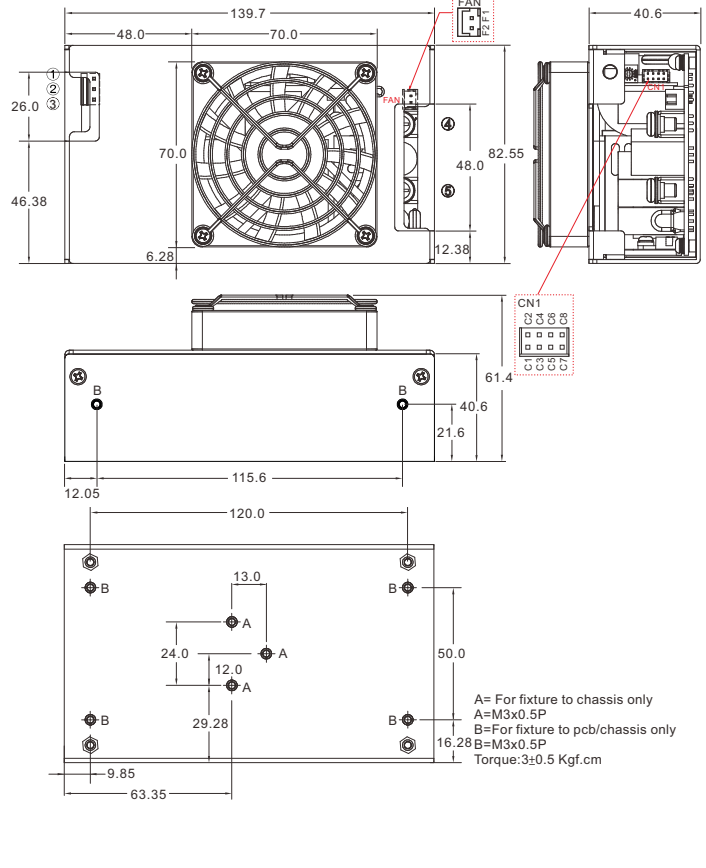
*U Case T=1.5mm
Customer is advised to screw into the threads no more than 1.5mm



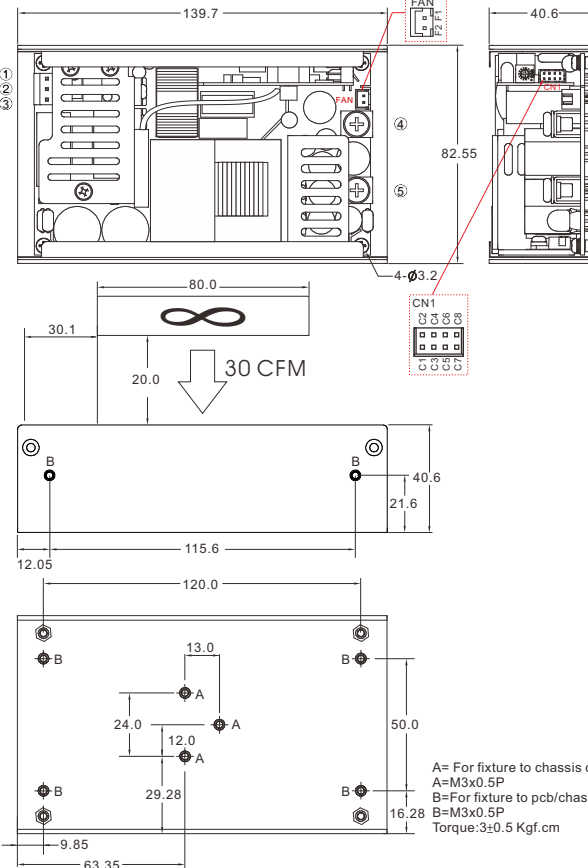
MQF500O Series



MQF500U Series



MQF500E Series



Tel:+886-2-2698-9508 Fax:+886-2-2698-1319 E-mail:sales@archcorp.com.tw

ARCH ELECTRONICS CORP.

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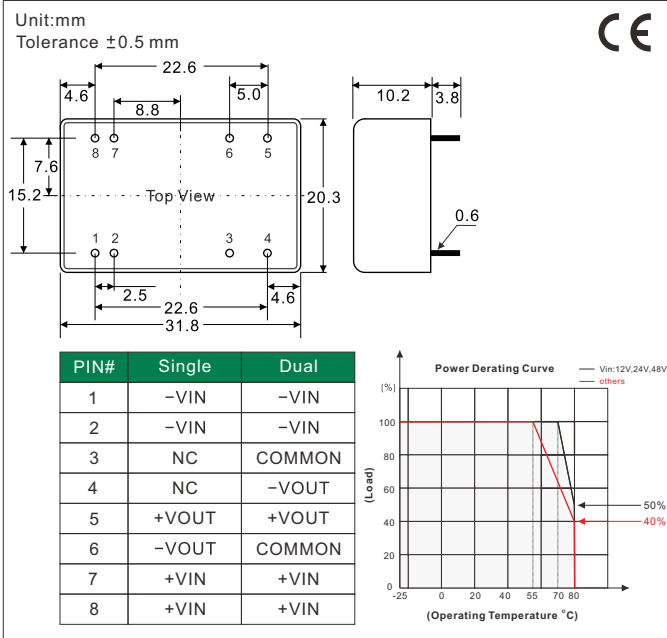
5W to 15W

ZC05 / ZB15 Series

Features

- * Power Module for PCB Mountable
- * Wide Input Range 2:1 & 4:1 (ZB15) / 4:1 (ZC05)
- * High Efficiency and Reliability
- * Regulated Single and Dual Output
- * Low Ripple and Noise
- * Remote ON/OFF Control for Option (ZB15)
- * 3-Year Product Warranty

ZC05



ZC05

5 Watts



31.8 x 20.3 x 10.2 mm
1.25 x 0.8 x 0.4 inches

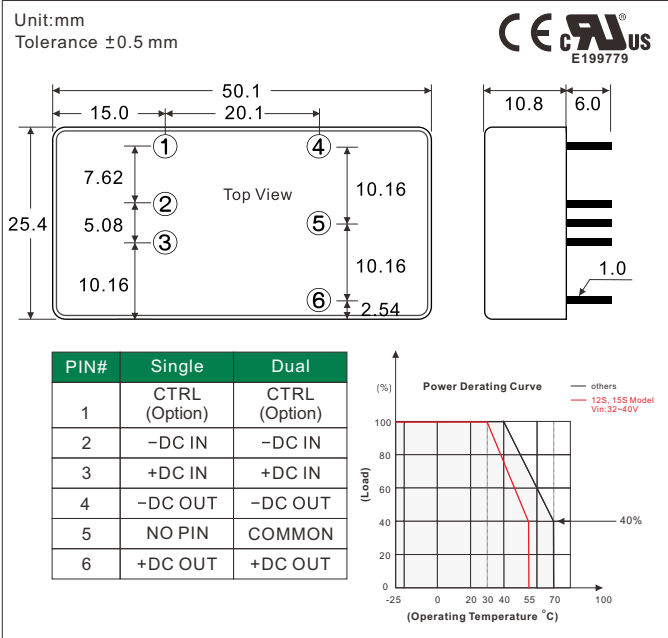
ZB15

15 Watts



50.1 x 25.4 x 10.8 mm
1.97 x 1.0 x 0.425 inches

ZB15



Model No.

ZC05 Single Output (4:1 Range)

Model No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ZC05-24F-3.3S	9~36	3.3	1520	72
ZC05-24F-5S	9~36	5	1000	75
ZC05-24F-12S	9~36	12	500	81
ZC05-24F-15S	9~36	15	400	79
ZC05-24F-24S	9~36	24	250	80
ZC05-48F-3.3S	18~75	3.3	1520	74
ZAC5-48F-5S	18~75	5	1000	77
ZAC5-48F-12S	18~75	12	500	81
ZAC5-48F-15S	18~75	15	400	81
ZC05-48F-24S	18~75	24	250	81

ZC05 Dual Output (4:1 Range)

Model No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ZC05-24F-5D	9~36	± 5	± 500	75
ZC05-24F-12D	9~36	± 12	± 250	78
ZC05-24F-15D	9~36	± 15	± 200	76
ZC05-48F-5D	18~75	± 5	± 500	77
ZC05-48F-12D	18~75	± 12	± 250	83
ZC05-48F-15D	18~75	± 15	± 200	79

ZB15 Single Output (4:1 Range)

Model & Ordering No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ZB15-24F-3.3S	9~36	3.3	3000	71
ZB15-24F-5S	9~36	5	3000	77
ZB15-24F-12S	9~36	12	1250	79
ZB15-24F-15S	9~36	15	1000	79
ZB15-48F-3.3S	18~75	3.3	3000	71
ZB15-48F-5S	18~75	5	3000	79
ZB15-48F-12S	18~75	12	1250	80
ZB15-48F-15S	18~75	15	1000	80

ZB15 Single Output (2:1 Range)

Model No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ZB15-12-3.3S	9~18	3.3	3000	71
ZB15-12-5S	9~18	5	3000	77
ZB15-12-12S	9~18	12	1250	79
ZB15-12-15S	9~18	15	1000	79
ZB15-12-24S	9~18	24	625	84
ZB15-24-3.3S	18~36	3.3	3000	71
ZB15-24-5S	18~36	5	3000	77
ZB15-24-12S	18~36	12	1250	79
ZB15-24-15S	18~36	15	1000	79
ZB15-24-24S	18~36	24	625	87
ZB15-48-3.3S	36~75	3.3	3000	71
ZB15-48-5S	36~75	5	3000	79
ZB15-48-12S	36~75	12	1250	80
ZB15-48-15S	36~75	15	1000	80
ZB15-48-24S	36~75	24	625	87

ZB15 Dual Output (2:1 Range)

Model & Ordering No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ZB15-12-5D	9~18	± 5	± 1500	78
ZB15-12-12D	9~18	± 12	± 625	79
ZB15-12-15D	9~18	± 15	± 500	79
ZB15-24-5D	18~36	± 5	± 1500	78
ZB15-24-12D	18~36	± 12	± 625	79
ZB15-24-15D	18~36	± 15	± 500	79
ZB15-48-5D	36~75	± 5	± 1500	78
ZB15-48-12D	36~75	± 12	± 625	79
ZB15-48-15D	36~75	± 15	± 500	79

SW20F (X) / SW30F (X) Series

20W to 30W

Features

- * Power Module for PCB Mountable
- * Wide Input Range 4:1
- * High Efficiency up to 90%
- * Low Ripple and Noise
- * Remote ON/OFF Control

- * Without Tantalum Capacitors Inside
- * Screw Terminal for Option
- * Safety Meet UL / IEC / EN 62368-1 & 60950
- * 3-Year Product Warranty



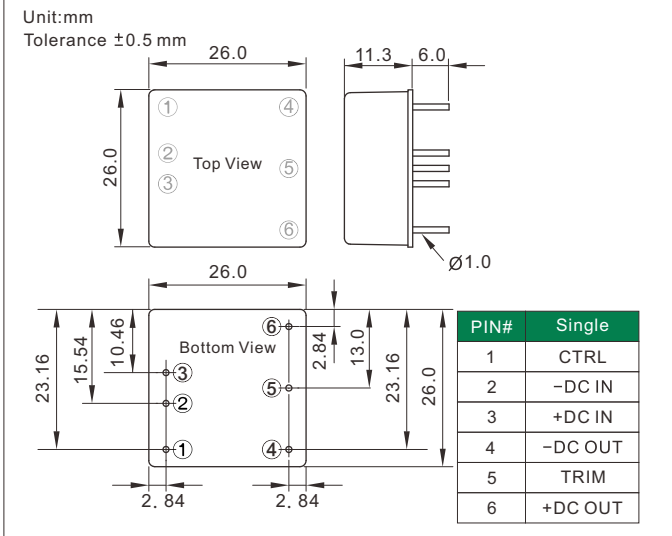
SW20F / SW30F

20 Watts / 30 Watts



26.0 x 26.0 x 11.3 mm
1.02 x 1.02 x 0.45 inches

without Heatsink



Model No.

SW20F / SW20F X Single Output

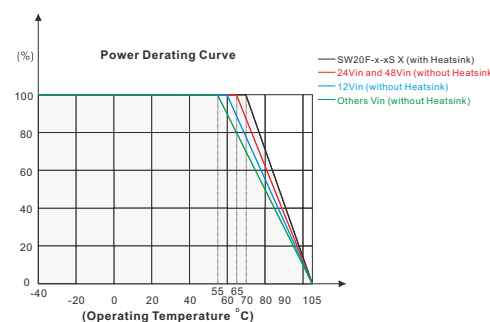
Model No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
SW20F-24-5S (X)	9~36	5	4000	89
SW20F-24-12S (X)	9~36	12	1667	90
SW20F-24-15S (X)	9~36	15	1333	88.5
SW20F-24-24S (X)	9~36	24	833	90
SW20F-48-5S (X)	18~75	5	4000	89
SW20F-48-12S (X)	18~75	12	1667	90
SW20F-48-15S (X)	18~75	15	1333	88.5
SW20F-48-24S (X)	18~75	24	833	90

SW30F / SW30F X Single Output

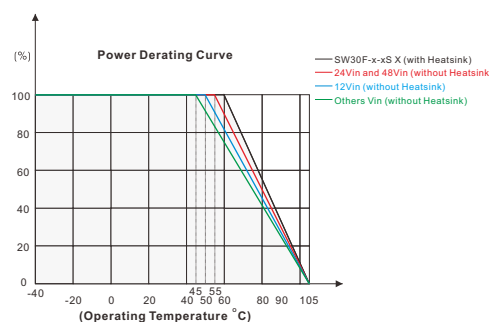
Model No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
SW30F-24-5S (X)	9~36	5	6000	88.5
SW30F-24-12S (X)	9~36	12	2500	89
SW30F-24-15S (X)	9~36	15	2000	89
SW30F-24-24S (X)	9~36	24	1250	90
SW30F-48-5S (X)	18~75	5	6000	89
SW30F-48-12S (X)	18~75	12	2500	89.5
SW30F-48-15S (X)	18~75	15	2000	89.5
SW30F-48-24S (X)	18~75	24	1250	90

Derating

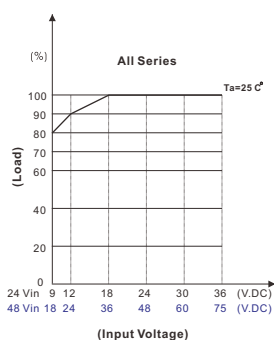
SW20F(X) Series



SW30F(X) Series



SW30F(X) Series



50W

ST50F (X) Series

Features

- * Power Module for PCB Mountable
 - * Wide Input Range 4:1
 - * High Efficiency up to 91%
 - * Low Ripple and Noise
 - * Remote ON/OFF Control
- * Without Tantalum Capacitors Inside
 - * Screw Terminal for Option
 - * Safety Meet UL / IEC / EN 62368-1 & 60950
 - * 3-Year Product Warranty



ST50F

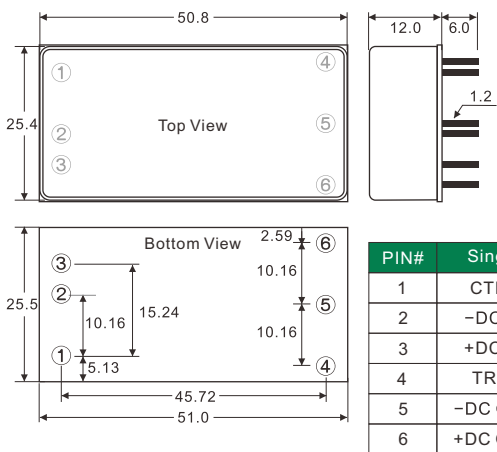
50 Watts



51.0 x 25.5 x 12.0 mm
2.01 x 1.0 x 0.47 inches

without Heatsink

Unit:mm
Tolerance ±0.5 mm



ST50F X

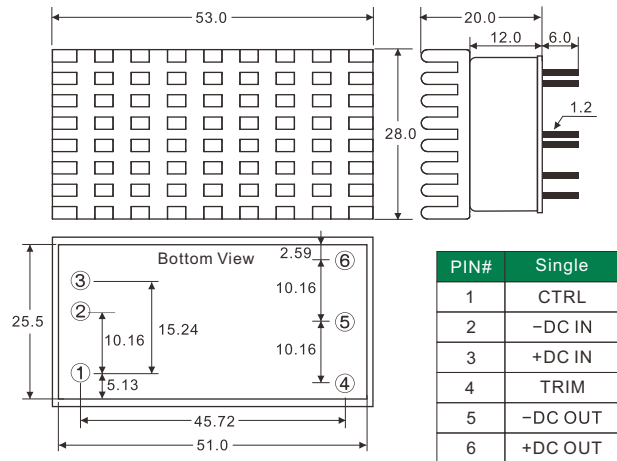
50 Watts



53.0 x 28.0 x 20.0 mm
2.09 x 1.1 x 0.78 inches

with Heatsink

Unit:mm
Tolerance ±0.5 mm

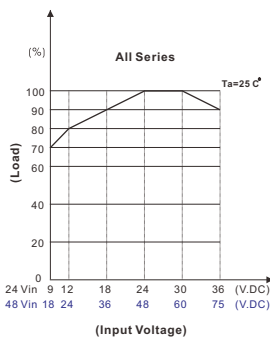
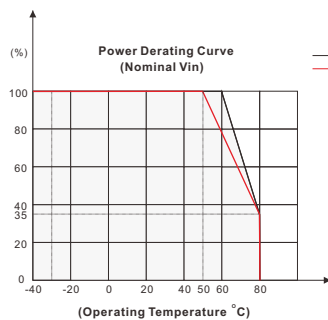


Model No.

ST50F / ST50F X Single Output

Model No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ST50F-24-5S (X)	9~36	5	10000	90
ST50F-24-12S (X)	9~36	12	4167	91
ST50F-24-15S (X)	9~36	15	3333	90
ST50F-24-24S (X)	9~36	24	2083	91
ST50F-48-5S (X)	18~75	5	10000	90
ST50F-48-12S (X)	18~75	12	4167	91
ST50F-48-15S (X)	18~75	15	3333	90
ST50F-48-24S (X)	18~75	24	2083	91

Derating



ST60 (X) Series

60W

Features

- * Power Module for PCB Mountable
 - * Wide Input Range 4:1
 - * High Efficiency up to 91%
 - * Low Ripple and Noise
 - * Regulated Output
- * Remote ON/OFF Control
 - * Protections: Over Voltage / Over Temperature / Short Circuit All by Auto-recovery
 - * Screw Terminal for Option
 - * 3-Year Product Warranty



ST60

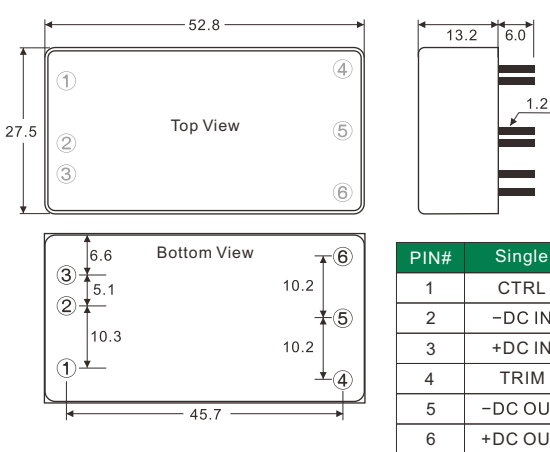
60 Watts



52.8 x 27.5 x 13.2 mm
2.08 x 1.08 x 0.52 inches

without Heatsink

Unit:mm
Tolerance ±0.5 mm



ST60 X

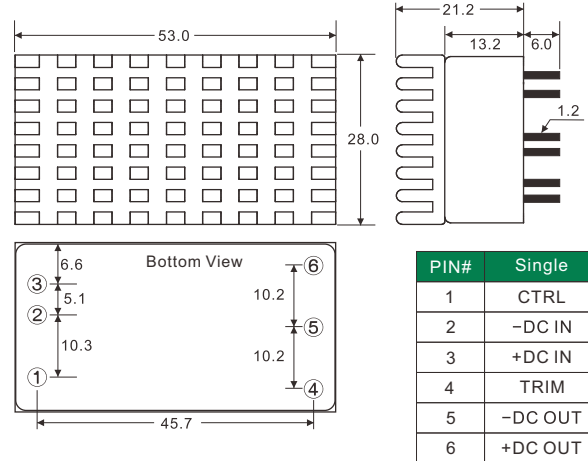
60 Watts



53.0 x 28.0 x 21.2 mm
2.09 x 1.1 x 0.83 inches

with Heatsink

Unit:mm
Tolerance ±0.5 mm



Model No.

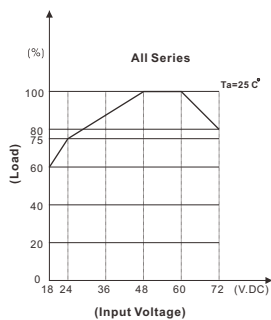
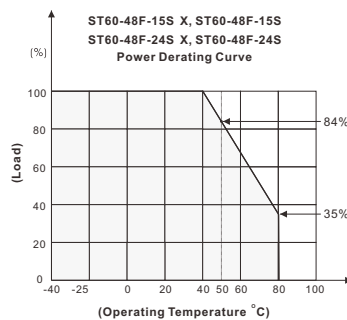
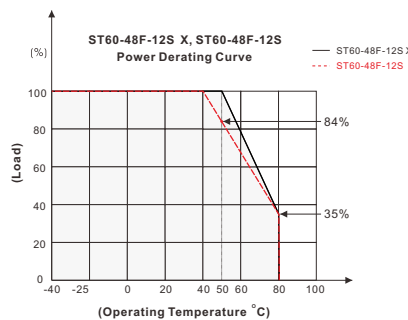
ST60 Single Output

Model No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ST60-48F-12S	18~72	12	5000	91
ST60-48F-15S	18~72	15	3700	90
ST60-48F-24S	18~72	24	2350	90

ST60 X Single Output

Model No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
ST60-48F-12S X	18~72	12	5000	91
ST60-48F-15S X	18~72	15	4000	90
ST60-48F-24S X	18~72	24	2500	90

Derating



10W

SP10F Series

Features

- * Compact SIP8 Package
 - * Single and Dual Output
 - * Wide Input Range 4:1
 - * High Efficiency up to 91%
 - * Regulated Output
 - * I/O Isolation 2250VDC
- * Without Tantalum Capacitors Inside
 - * Fixed Switching Frequency
 - * Input Under-Voltage Protection
 - * Low No Load Power Consumption
 - * Continuous Short Circuit Protection
 - * 3-Year Product Warranty

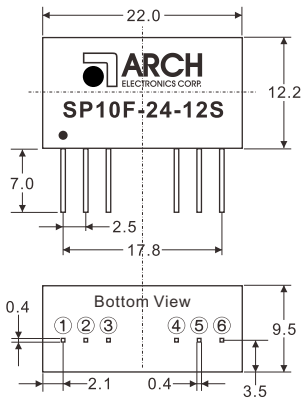


SP10F

10 Watts



22.0 x 9.5 x 12.0 mm
0.87 x 0.37 x 0.47 inches



PIN#	Single	Dual
1	-DC IN	-DC IN
2	+DC IN	+DC IN
3	CTRL	CTRL
4	+DC OUT	+DC OUT
5	-DC OUT	COMMON
6	NC	-DC OUT

Model No.

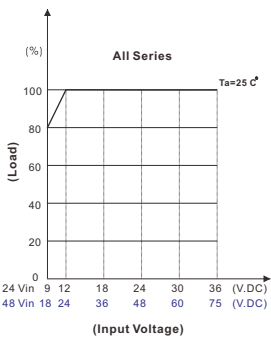
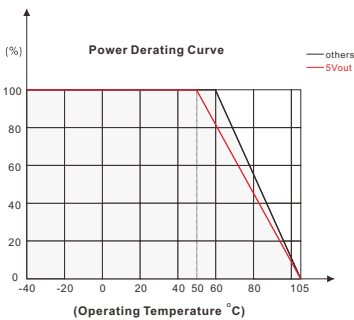
SP10F Single Output

Model No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
SP10F-24-5S	9~36	5	2000	84
SP10F-24-12S	9~36	12	833	88.5
SP10F-24-15S	9~36	15	666	89
SP10F-24-24S	9~36	24	417	88.5
SP10F-48-5S	18~75	5	2000	84
SP10F-48-12S	18~75	12	833	87.5
SP10F-48-15S	18~75	15	666	87.5
SP10F-48-24S	18~75	24	417	88.5

SP10F Dial Output

Model No.	Input Voltage (V.DC)	Output Voltage (V.DC)	Output Current (mA) max.	Eff (%)
SP10F-24-5D	9~36	±5	±1000	84.5
SP10F-24-12D	9~36	±12	±417	88
SP10F-24-15D	9~36	±15	±333	88
SP10F-48-5D	18~75	±5	±1000	84.5
SP10F-48-12D	18~75	±12	±417	88
SP10F-48-15D	18~75	±15	±333	87.5

Derating



FA150 Series

1W to 150W

Features

- * Current rating 1-2A
- * Very Compact PCB-mounting Design, Easy to Mount
- * To Enhance the Anti-interference Performance and Reduce CE and RE
- * Suitable for 1W~150W Power Products
- * 3-Year Product Warranty

FA150

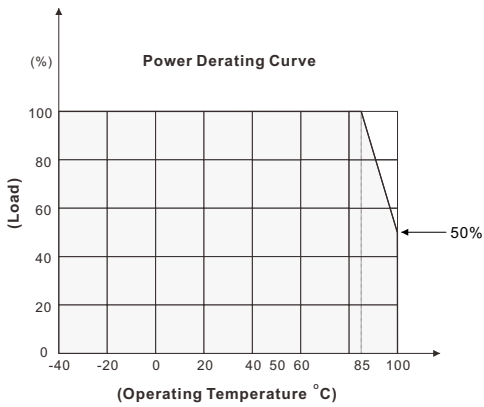
Suitable for 1-150 Watts



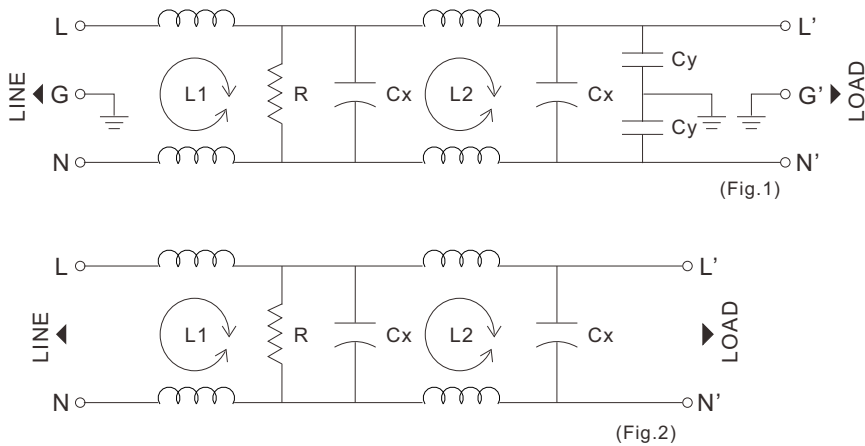
General specifications (For more details and final specifications, please refer to the respective datasheets in PDF file format on www.archcorp.com.tw.)

Series / Model No.	FA150-1	FA150-2	FA150-3
Rated Voltage	90-305 VAC		
Rated Current	2 A	2 A	1 A
Operating Frequency	47-63 Hz		
Hi Pot Rating	Line to Line	1800 VDC ≤ 5 mA (1 min)	
	Line to Ground	2000 VAC ≤ 5 mA (1 min)	
Circuit	Class I (Fig.1)	Class II (Fig.2)	Class II (Fig.2)
Operating Temperature	-40 °C to +100 °C ((with derating)		
Storage Temperature	-40 °C to +100 °C		
Weight	58 ± 5 g		

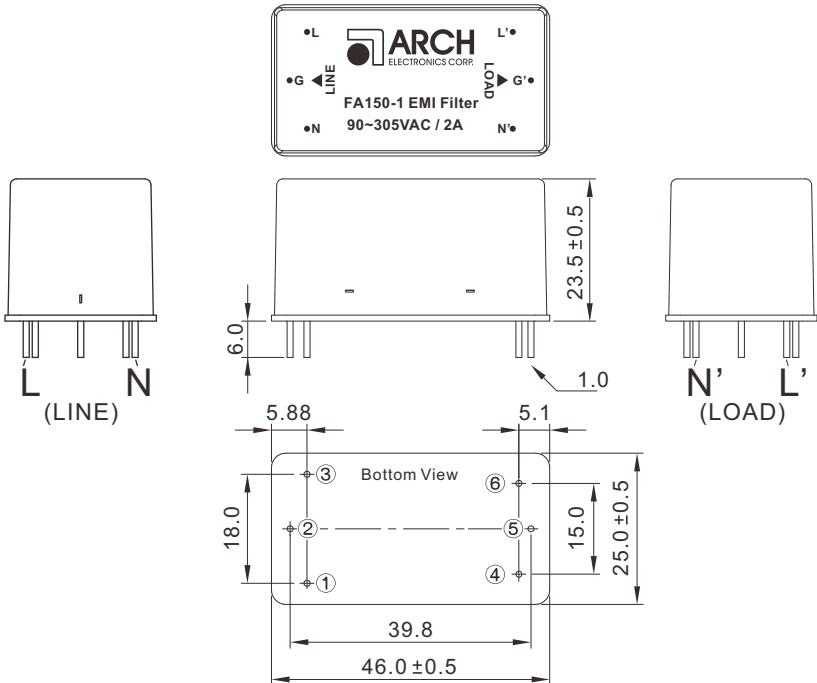
Derating



Electric Circuit



Outline Dimensions & Pin Connections (Tolerance ±0.5 mm)



PIN#	FA150-1	FA150-2	FA150-3
1	L	L	L
2	G	NO PIN	NO PIN
3	N	N	N
4	L'	L'	L'
5	G'	NO PIN	NO PIN
6	N'	N'	N'

Input(3 Pin)

Output(5 Pin)

AC/DC A2

Suitable for:
AHCH05/10, AFCH25, ATCH30,
MFC15, MZC20, MTC30

Suitable for:
AKC, AJC, ANCH50, ARC60, MSC60

Suitable for:
MQCS100

Input(3 Pin)

Output(5 Pin)

MQC150-A2

Suitable for:
MQC150

DC/DC A2

Suitable for:
SW20F (X), SW30F (X), ST50F (X), ST60 (X)

DC/DC A5

Suitable for:
SW20F (X), SW30F (X), ST50F (X), ST60 (X)

AC-DC ITE/ Medical / Household Power Module

AC/DC A2

AHCH05 / AHCH10

PIN#	Single
1	NO CONNECT
2	AC IN (N)
3	AC IN (L)
4	NO CONNECT
5	+DC OUT
6	-DC OUT
7	NO CONNECT
8	NO CONNECT

ATCH30

PIN#	Single
1	NO CONNECT
2	AC IN (N)
3	AC IN (L)
4	NO CONNECT
5	-DC OUT
6	NO CONNECT
7	+DC OUT
8	NO CONNECT

MTC30

PIN#	Single
1	AC IN (N)
2	NO CONNECT
3	AC IN (L)
4	NO CONNECT
5	-DC OUT
6	NO CONNECT
7	+DC OUT
8	NO CONNECT

AC/DC A2

AKC

PIN#	Single	Dual	Triple
1	FG	FG	FG
2	AC IN (N)	AC IN (N)	AC IN (N)
3	AC IN (L)	AC IN (L)	AC IN (L)
4	NO CONNECT	NO CONNECT	-DC OUT
5	-DC OUT	-DC OUT	COMMON
6	NO CONNECT	COMMON	+DC OUT
7	+DC OUT	+DC OUT	+5V RTN
8	NO CONNECT	NO CONNECT	+5V OUT

AJC

PIN#	Single	Dual	SS125 / SS245	Triple
1	AC IN (L)	AC IN (L)	AC IN (L)	AC IN (L)
2	NO CONNECT	NO CONNECT	NO CONNECT	NO CONNECT
3	AC IN (N)	AC IN (N)	AC IN (N)	AC IN (N)
4	-DC OUT	+DC OUT	+12V/+24V RTN	+DC OUT
5	NO CONNECT	NO CONNECT	+5V OUT	+5V OUT
6	-DC OUT	COMMON	+12V/+24V RTN	COMMON
7	NO CONNECT	NO CONNECT	+5V RTN	+5V RTN
8	NO CONNECT	-DC OUT	NO CONNECT	-DC OUT

ANCH50 / ARC60

PIN#	Single
1	NO CONNECT
2	AC IN (N)
3	AC IN (L)
4	NO CONNECT
5	-DC OUT
6	NO CONNECT
7	+DC OUT
8	NO CONNECT

MSC60

PIN#	Single
1	NO CONNECT
2	AC IN (L)
3	AC IN (N)
4	+DC OUT
5	NO CONNECT
6	-DC OUT
7	NO CONNECT
8	NO CONNECT

AC/DC A2

MQCS100

PIN#	Single
1	PE
2	AC IN (N)
3	AC IN (L)
4	NO CONNECT
5	ON / OFF
6	+DC OUT
7	-DC OUT
8	TRIM

AC-DC ITE/ Medical Power Module

DC-DC Converters

MQC150-A2

MQC150

PIN#	Single
1	PE
2	AC IN (L)
3	AC IN (N)
4	+DC OUT
5	-DC OUT
6	TRIM

DC/DC A2

SW20F (X) / SW30F (X)

PIN#	Single
1	CTRL
2	-DC IN
3	+DC IN
4	+DC OUT
5	NO CONNECT
6	TRIM
7	NO CONNECT
8	-DC OUT

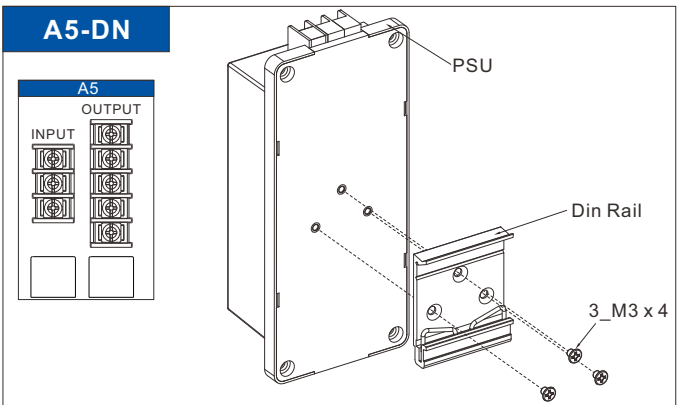
DC/DC A5

ST50F (X) / ST60 (X)

PIN#	Single
1	CTRL
2	-DC IN
3	+DC IN
4	TRIM
5	NO CONNECT
6	-DC OUT
7	NO CONNECT
8	+DC OUT

66 ARCH Tel:+886-2-2698-9508 Fax:+886-2-2698-1319 E-mail:sales@archcorp.com.tw We reserve the right to make alterations in the product materials and specifications without prior notification and consent to improve reliability, function or design or otherwise.

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Series	Input Pin	Brands			Output Pin	Brands		
		Connector	Mating Housing	Terminal		Connector	Mating Housing	Terminal
SZA600/U	2 PIN 	ANYTEK YK-312-2P			2 PIN 	ANYTEK YK-312-2P		
AQF1200/U/E(5S N/A), AQF240U(5S N/A), AQF240E	3 PIN 	ANYTEK DG28S-B-03P			4 PIN 	ANYTEK DG28S-B-04P		
AQF1200/U/E-5S					2 PIN 	M5 Pan HD screw in 2 positions / Torque to 8 lbs-in(90 cNm) max.		
AQF240U-5S					4 PIN 	M5 Pan HD screw in 2 positions / Torque to 8 lbs-in(90 cNm) max.		
AQF1200/U/E A TYPE(5S N/A), AQF240U A TYPE(5S N/A)	3 PIN 	Alex 8673-05N2	Alex 8639-05N2 8095-05N2	Alex 23T or 24T series 94T or 95T series	8 PIN 	Alex 8673-08N2	Alex 8639-08N2 Alex 8095-08N2	Alex 23T or 24T series Alex 94T or 95T series
AQF1200/U/E B TYPE(5S N/A)	3 PIN 	ANYTEK TI0324500010G			4 PIN 	DINKLE DT-128V-1711-04P3		
AQF700, AQF700C	3 PIN 	ANYTEK YK-301-3P			2 PIN 	M5 Pan HD screw in 2 positions / Torque to 8 lbs-in(90 cNm) max.		
AQF1000	3 PIN 	DINKLE DT-49-B01W-03			2 PIN 	M5 Pan HD screw in 2 positions / Torque to 8 lbs-in(90 cNm) max.		
MQF5000/U/E	3 PIN 	Alex 9397-3	Alex 9396-3	Alex 96T series	2 PIN 	M5 Pan HD screw in 2 positions / Torque to 8 lbs-in(90 cNm) max.		
ARF130U/E · MQF1200/U/E		JST B3P-VH	JST VHR-3N	JST SVH-41T-P1.1	4 PIN 	Alex 9397-4 JST B4P-VH	Alex 9396-4 JST VHR-4N	Alex 96T series JST SVH-41T-P1.1
ARF2400/U/E A TYPE, MQF2400/U/E A TYPE					6 PIN 	Alex 9397-6 JST B6P-VH	Alex 9396-6 JST VHR-6N	Alex 96T series JST SVH-41T-P1.1
ARF2400/U/E, MQF2400/U/E, ARF500U/E					2 PIN 	M3.5 Pan HD screw in 2 positions / Torque to 8 lbs-in(90 cNm) max.		

FAX : _____

ADDITIONAL REQUIREMENTS :

General
The following terms and conditions, any price list or schedule, catalog, quotation, or invoice from Seller relevant to the sale of the Products and/or Services by Seller to Buyer. Buyer's acceptance of the Product and/or Services will manifest Buyer's assent to these terms and conditions. If Seller and Buyer have a written agreement in effect that covers the sale of the Product and/or Services, that agreement will govern the terms and conditions of sale exclusively.
Orders
All orders are subject to product availability and acceptance by Seller. All orders must have scheduled delivery dates. Any purchase order with a balance is unscheduled will be subject to Seller's standard lead-time.
Prices
Prices in general are dependent on volume of the particular items purchased, terms of payment, and the credit worthiness of the Buyer, and are subject to change without prior notice.
Delivery
All orders are F.O.B. shipping point, all shipping costs and insurance, as applicable, shall be added to the purchase price and shall be paid by the Buyer. Unless otherwise instructed by Buyer, Seller will exercise its own judgment in the method of shipment.
Reschedule for Standard Products only
Products scheduled to ship within 30 days may be rescheduled. All standard products must be taken within 60 days of the original scheduled date. Once an originally scheduled date is rescheduled, it may not be rescheduled again.
Order Cancellation
a. Special / Modified products: no cancellation will be allowed (100% cancellation fee) b. Standard products: I. No charge within 3 days of the ordering day II. 20% cancellation fee will be charged within 7 days of the ordering day III. 30% cancellation fee will be charged within 15 days of the ordering day IV. 50% cancellation fee will be charged within 30 days of the ordering day
Limited Warranty, Limitation Of Liability and Remedy
a. Limited Warranty and Remedy. Except as provided herein, seller expressly excludes and disclaims all warranties, expressed or implied including, without limitation, any implied warranty of merchantability or fitness for a particular purpose; and the warranty which follows in lieu of any and all other obligations or liability on seller's part. Seller warrants that it will repair or replace, at Seller's option, for any defective product because of defects in material, workmanship, which defect is discovered within warranty. This limited warranty does not extend to conditions causing the defect by Buyer such as misuse; neglect; improper installation; improper operation; inadequate maintenance, repair or alteration of the product; or unusual deterioration or damage to the product due to environment where used. Nor does said warranty cover accidental damage to the product. To have this warranty apply I. the products should be in warranty II. the products shall be installed, used and maintained according to Seller's instructions and guidelines, if any, and III. no modification to the products shall be made after shipment without written authorization from Seller. b. Limitation of Liability. Under no circumstances will seller be liable for any incidental or consequential damages, or for any other loss, damage or expense of any kind, including loss of profits, arising in connection with this contract or with the use of or inability to use seller's products furnished under this contract. seller's maximum liability shall not exceed and buyer's remedy is limited to repair or replacement of the defective part of product. c. Return of Product to Seller. Seller must be contacted and issue a return material authorization (RMA) Number prior to any product return, to assure receipt and proper credit. Any order returned to the Seller without an approved RMA Number will not be accepted.
RMA (Buyer should follow below procedure to return defective goods)
a. Buyer must notify Seller in writing within the warranty period of any defect or nonconformance in the goods, by completing Seller's Return Merchandise Application form (RMA). b. Buyer must obtain authorized and an RMA number from Seller to return the defective goods. c. Buyer must pay for one-way shipping costs, additionally, acceptance of returned goods are subject to Seller's examination of such goods, or verify that the defect or nonconformance or difficulty was not in any way caused the negligence, improper installation, misuse or unauthorized repair of the goods. Seller may refuse acceptance of returned goods that do not follow this procedure.
Attention
a. Customer should compensate, protect and ensure ARCH away from the following jeopardy: All and any kind of obligation, loss, expense, lien, claim, etc. caused by negligence or misconduct of customer, and his team member, agent, employee, contractor or assignee. b. We do best to ensure the exactness of information on the catalog. If there's any discrepancy in the specification sheet & catalog, the former should be given precedence over all others. c. For continuous product improvement, ARCH reserves the right to revise any information on catalog & specification sheet without any prior notice. d. The action to be strictly recommended that customers manage a sample test for evaluation and approval before placing formal order.