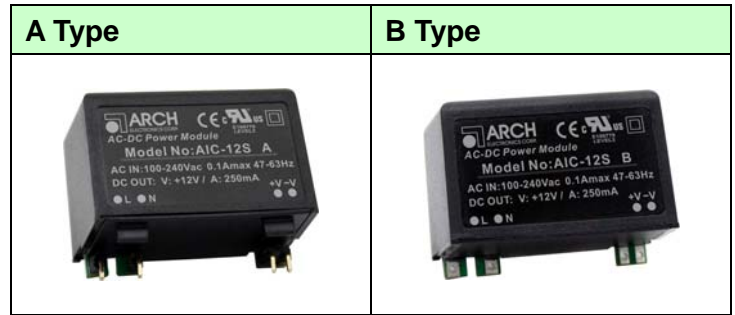


KEY FEATURES

- Switching Power Module for PCB Mountable
- Fully Encapsulated Plastic Case
- Universal Input Range 90-264VAC, 47-63 Hz
- Low Ripple and Noise
- Isolation Class II
- Maximum No-Load Watts < 0.3W
- CE , UL Approval
- 3-Year Product Warranty



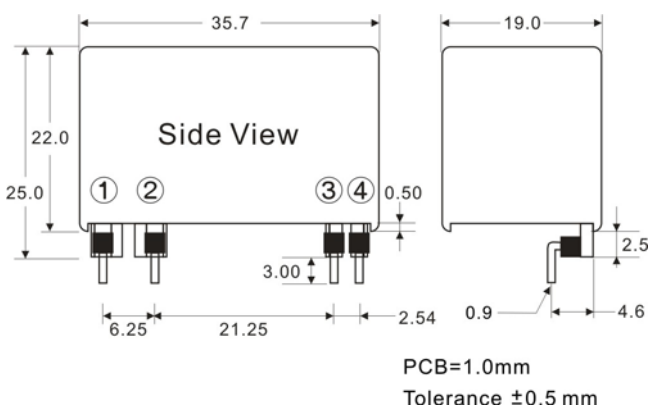
ELECTRICAL SPECIFICATIONS

All specifications valid at normal input voltage, full load and +25°C after warm-up time unless otherwise stated.

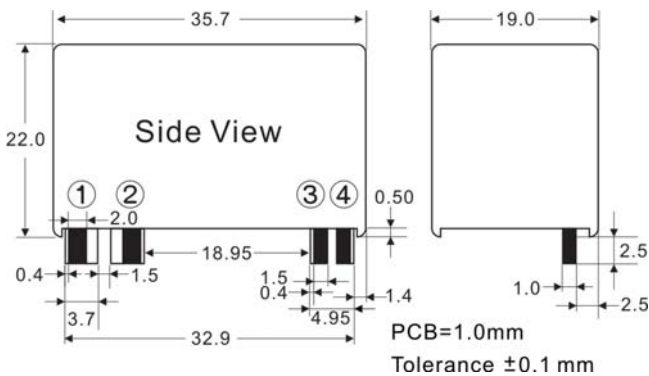
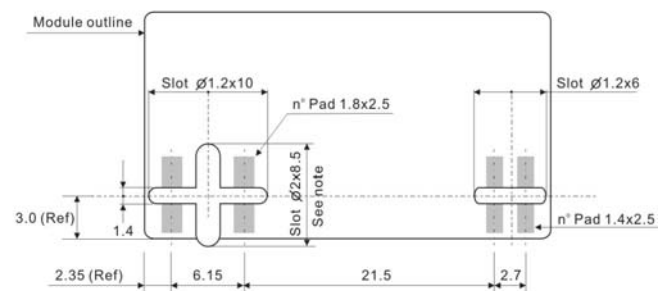
Model No.	AIC-3.3S	AIC-5S	AIC-9S	AIC-12S	AIC-15S	AIC-24S
Max Output Wattage (W)	2.97W	3W	3W	3W	3W	3W
Input	Voltage					
	90-264 VAC or 120-370 VDC					
	Frequency (Hz)					
	47-63 Hz					
	Current (Full load)					
	75 mA max. (115 VAC) / 55 mA max. (230 VAC)					
Inrush Current (<500us)						
20 A max. (115 VAC) / 50 A max. (230 VAC)						
Leakage Current						
0.25 mA max.						
External Fuse (recommend)						
3.15 A slow blow type						
Output	Voltage (V.DC.)					
	3.3V	5V	9V	12V	15V	24V
	Voltage Accuracy					
	±10%					
	Current (mA) max					
	900	600	333	250	200	125
	Line Regulation (LL-HL) (typ.)					
	±5%					
	Load Regulation (0-100%) (typ.)					
	±5%					
Minimum Load						
0%						
Maximum Capacitive Load (at 230VAC)						
14000uF	8000uF	3200uF	1500uF	1000uF	470uF	
Ripple & Noise (Vp-p) max						
<250mV						
Efficiency						
69%	71%	76%	76%	76%	77%	
Hold-up Time						
15 ms min.						
Protection	Over Power Protection					
	Hiccup technique, auto-recovery					
	Over Voltage Protection					
Zener diode clamp						
Short Circuit Protection						
Hiccup mode, indefinite (automatic recovery)						
Isolation	Input-Output (V.AC)					
3750V						
Environment	Operating Temperature					
	-40°C...+85°C (with derating)					
	Storage Temperature					
	-40°C...+85°C					
	Temperature Coefficient					
±0.02%/°C						
Humidity						
95% RH						
MTBF						
>650,000 h @ 25°C (MIL-HDBK-217F)						
Physical	Dimensions (L x W x H)					
	1.41 x 0.75 x 0.86 Inches (35.7 x 19.0 x 22.0 mm) Tolerance ±0.5 mm					
	Case Material					
	Plastic resin (flammability to UL 94V-0)					
Weight						
26 g						
Cooling Method						
Free air convection						
Safety	Agency Approvals					
UL, cUL, CE						
EMC	EMI (Conducted & Radiated Emission)					
	EN 55032 class B					
EMS (Noise Immunity)						
EN 55024						

NOTE

1. Ripple & Noise are measured at 20MHz of bandwidth with 0.1uF & 47uF parallel capacitor.
2. It's necessary Varistor 14S471K at L / N input side in parallel.
3. It's necessary 10R / 15φ thermistor at L input side in series connection.
4. Please refer to our PDF file "AC-DC Application" on our website: www.archcorp.com.tw

MECHANICAL DIMENSIONS
A Type


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

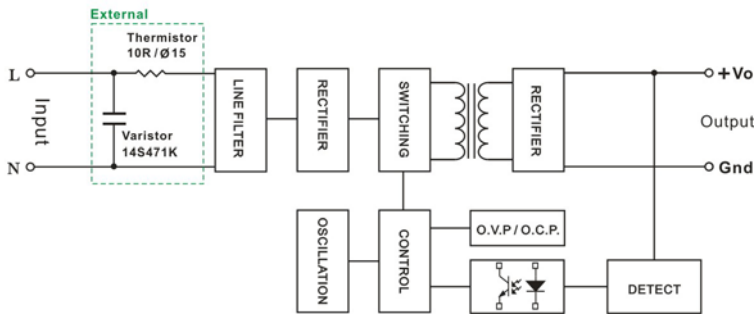
B Type

PCB Footprint- Bottom Side View

Note:

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

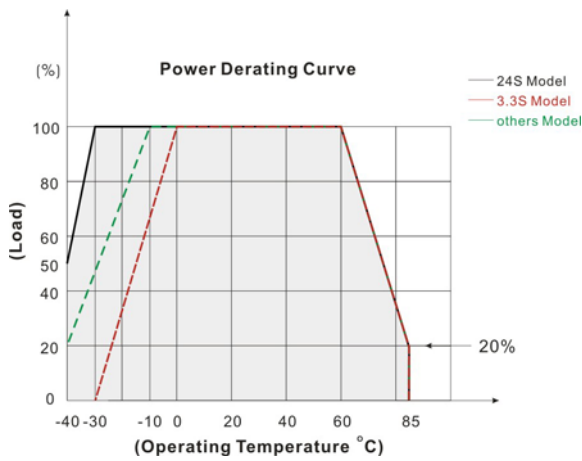
PIN#	Single
1	AC IN (L)
2	AC IN (N)
3	+DC OUT
4	-DC OUT

BLOCK DIAGRAM

Single Output



DERATING



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.

<http://www.archcorp.com.tw>

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