

15 Watt, PM-15 Series, Encapsulated (Single Output)

ALL PSU LTD
Electronic Power Solutions

- Universal AC Input
- Compact PCB Mounting Format
- Short Circuit, Overload, Over Voltage Over Temperature Protection
- High Reliability, 100% Burn In
- 3 Year Warranty
- Very Competitive Prices
- Full Safety Approvals
- Approved For Both Medical & Industrial Use



Size: 75 x 53 x 22.7 mm

Specification

Universal Input.....	85~264 VAC / 120~370 VDC
Frequency.....	47~440 Hz
Fixed Output Voltage.....	See table below
Over Load Protection.....	>105%, output hiccup mode, (auto-recovery)
Over Voltage Protection.....	Shuts off o/p voltage, clamping by zener diode
Set Up, Rise, Hold Up Time.....	1000 ms, 20 ms, 100 ms (full load)
Isolation Voltage.....	I/P-O/P: 4 kVAC
Switching Frequency.....	67 kHz (fixed)
Line Regulation.....	+/-1.0% (3.3~5 V models), +/-0.5% (12~24 V models)
Load Regulation.....	+/-1.0% (3.3~15 V models), +/-0.5% (24 V models)
Operating Temperature.....	-20 to +70 °C (see derating curves)
AC Input Current.....	0.35 A @ 115 VAC, 0.2 A @ 230 VAC
Inrush Current.....	50A @ 230VAC (cold start)
Storage Temperature.....	-40 to +85 °C
Safety Standard.....	UL60601-1, TUV EN60601-1, IEC60601-1
EMC Standard.....	EN55011 (CISPR11) EN55022 (CISPR22) Class B EN61000-4-2, 3, 4, 5, 6, 8, 11 EN61000-3-2,3, ENV50204, EN55024, EN60601-1-2 EN61204-3 Medical Level, Criteria A.
Size.....	75 x 53 x 22.7 mm
Connection.....	PCB Mounting Through Hole, (pin out see drawing)

Models and Ratings

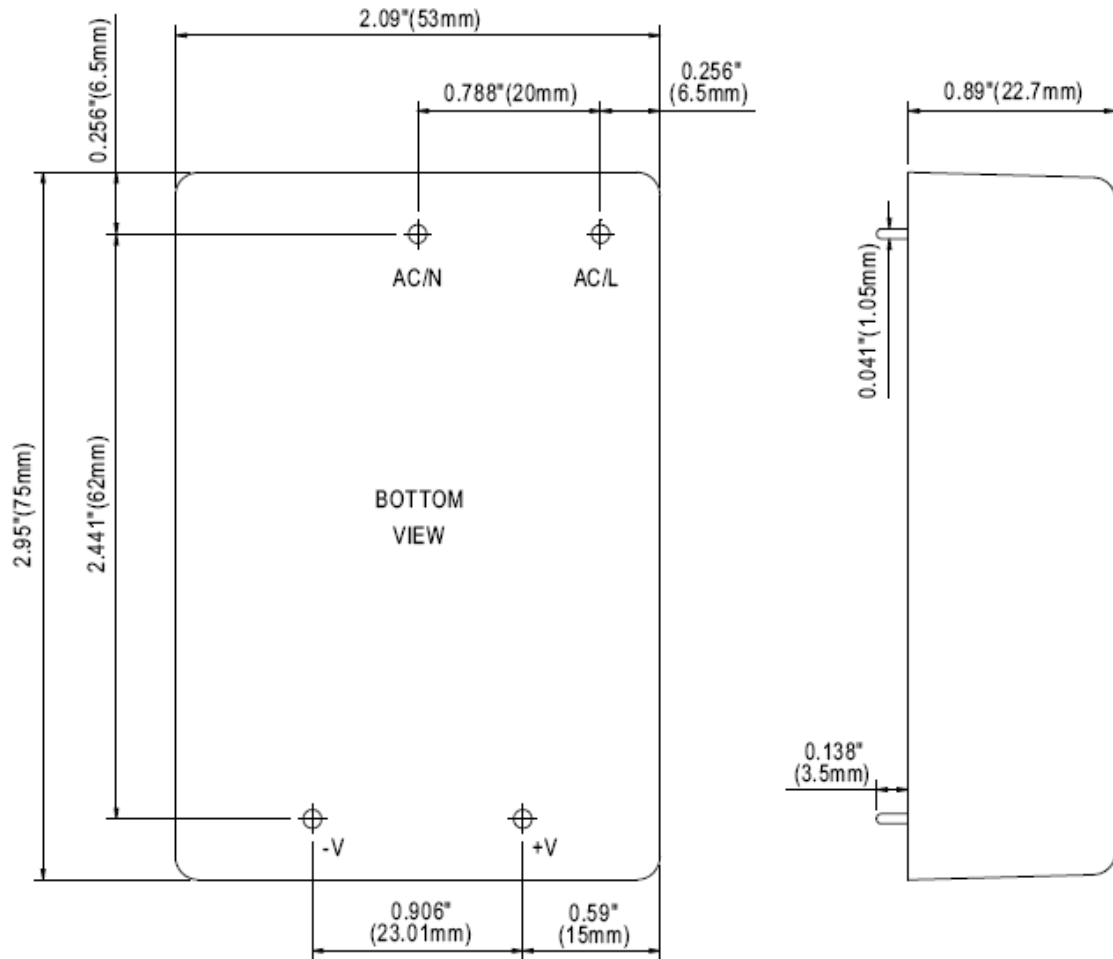
Model	Output Voltage	Output Current	Ripple/Noise	Efficiency
PM-15-3.3	3.3 V	3.5 A	80 mV	73%
PM-15-5	5.0 V	3 A	80 mV	76%
PM-15-12	12.0 V	1.25 A	150 mV	78%
PM-15-15	15.0 V	1 A	150 mV	79%
PM-15-24	24.0 V	0.63 A	240 mV	81%

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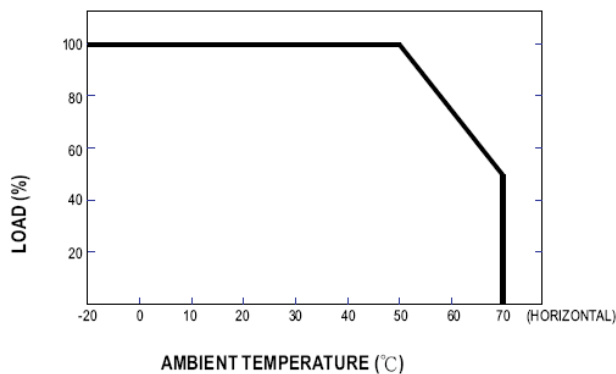
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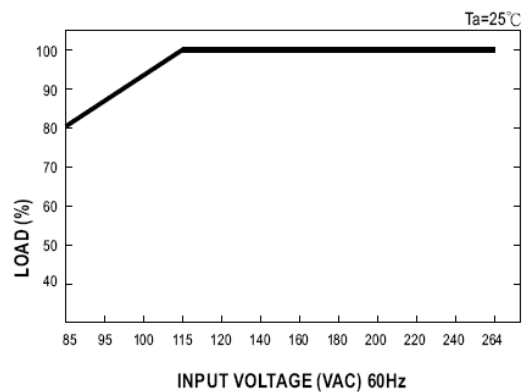
Mechanical Details



■ Derating Curve



■ Output Derating VS Input Voltage



Specifications may change without notice, E&OE. ALL PSU Terms & Conditions apply.

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