

20 Watt, PM-20 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: 94 x 56 x 22.7 mm

Specification

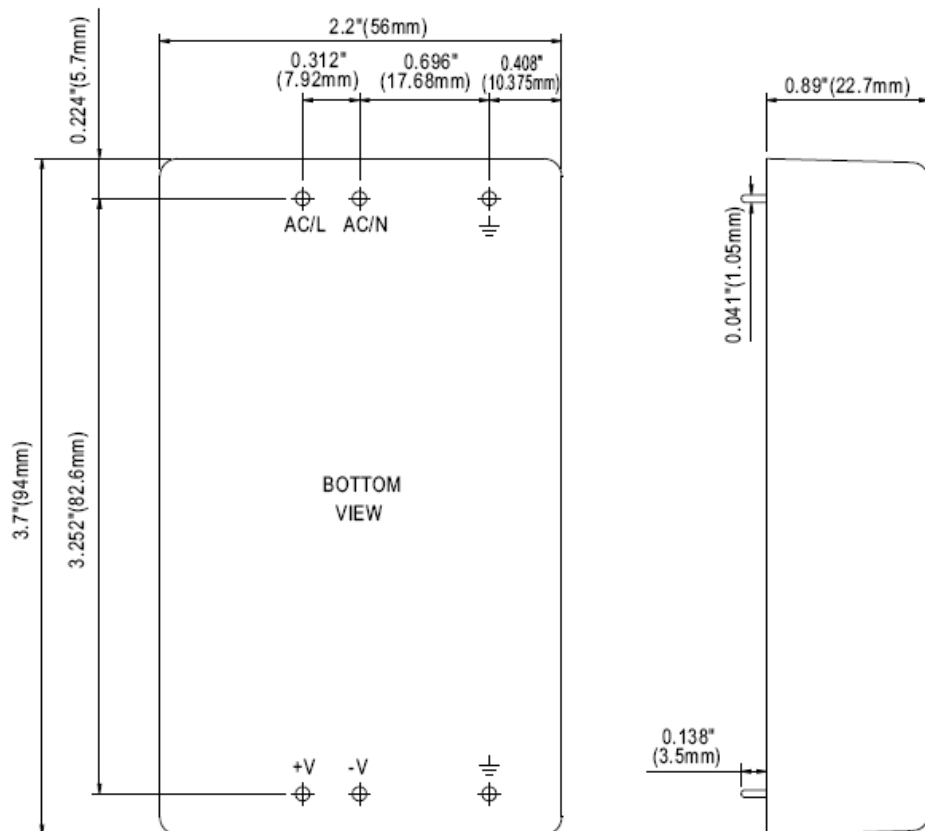
Universal Input.....	85~264 VAC / 120~370 VDC
Frequency.....	47~440 Hz
Fixed Output Voltage.....	See table below
Over Load Protection.....	>105%, output hiccup mode, (auto-recovery)
Over Voltage Protection.....	Shuts off o/p voltage, clamping by zener diode
Set Up, Rise, Hold Up Time.....	500 ms, 20 ms, 50 ms (full load)
Isolation Voltage.....	I/P-O/P: 4 kVAC
Switching Frequency.....	90 kHz (fixed)
Line Regulation.....	+/-1.0% (3.3~5 V models), +/-0.5% (12~24 V models)
Load Regulation.....	+/-1.5% (3.3~5 V models), +/-1% (12~15 V models) +/-0.5% (24 V models)
Operating Temperature.....	-20 to +60 °C (see derating curves)
AC Input Current.....	0.6 A @ 115 VAC, 0.4 A @ 230 VAC
Inrush Current.....	65A @ 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.....	94 x 56 x 22.7 mm
Connection.....	PCB Mounting Through Hole,(pin out see drawing)

Models and Ratings

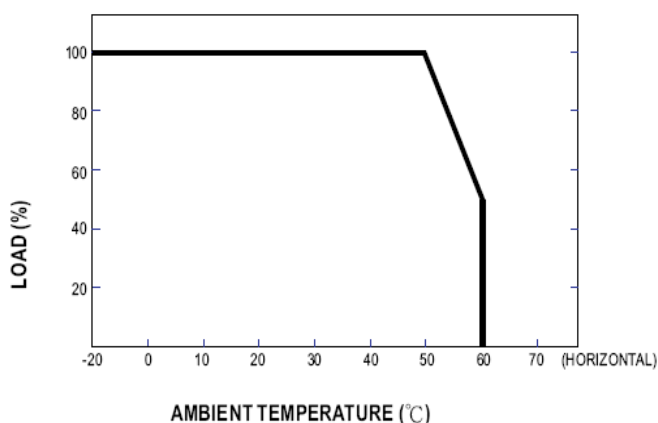
Model	Output Voltage	Output Current	Ripple/Noise	Efficiency
PM-20-3.3	3.3 V	4.5 A	80 mV	71%
PM-20-5	5.0 V	4.4 A	80 mV	75%
PM-20-12	12.0 V	1.8 A	150 mV	81%
PM-20-15	15.0 V	1.4 A	150 mV	83%
PM-20-24	24.0 V	0.92 A	240 mV	84%

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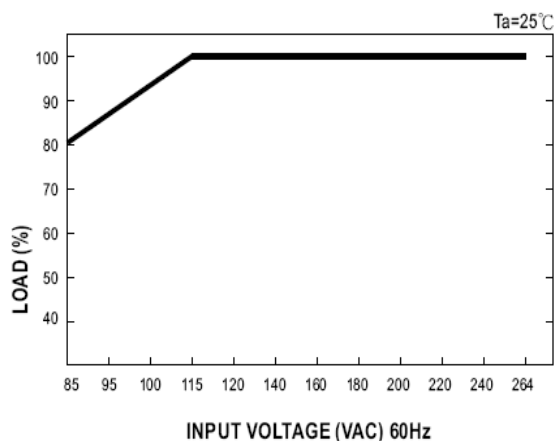
Mechanical Details



■ Derating Curve



■ Output Derating VS Input Voltage



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

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