

PM-10 Series

10W Single Output AC/DC Module



FEATURES

- Universal AC input / full range
- Short circuit, Overload & Overvoltage Protections
- Ultra-miniature size, light weight
- Cooling by free air convection
- Isolation class II
- Medical safety approved
- No load power consumption <0.5W
- 100% full load burn-in test
- High reliability

ENVIRONMENTAL

Operating Temp: -20 to +70°C
With de-rating

Storage Temp: -40 to +85°C

SAFETY / EMC

UL60601-1, EN60601-1, IEC60601-1

EN55011, EN55022 Class B
EN61000-3-2, -3
EN61000-4-2, 3, 4, 5, 6, 8, 11
ENV50204, EN55024, EN60601-1-2
EN61204-3, medical level, criteria A

ELECTRICAL SPECIFICATIONS

Model No.	PM-10-XX				
XX	3.3	5	12	15	24
AC Input	85 - 264VAC, 47-440Hz				
DC Input	120 - 370VDC				
DC Output					
Voltage	3.3V	5V	12V	15V	24V
Current	0-2.5A	0-2A	0-0.85A	0-0.67A	0-0.42A
Rated Power	8.25W	10W	10.2W	10.05W	10.08W
Ripple & noise (p-p)	80mV	80mV	150mV	150mV	240mV
Voltage Tolerance	±3.0%	±2.0%	±2.0%	±2.0%	±2.0%
Line Regulation	±1.0%	±1.0%	±0.5%	±0.5%	±0.5%
Load Regulation	±1.0%	±1.0%	±1.0%	±1.0%	±0.5%

Overload	Above 105% of rated output power Hiccup mode. Recovers automatically when fault removed.				
Over Voltage	3.8-4.95	5.75-6.75	13.8-16.2	17.25-20.25	27.6-32.4
Dimensions	70(L) x 50(W) x 22.7(H)mm				
Weight	0.105Kg				

- Notes:**
1. All parameters *NOT* specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.
 2. Ripple and noise are measured at 20MHz bandwidth by using a 12" twisted pair wire terminated with a 0.1µF and 47µF parallel capacitor.
 3. Tolerance includes set up tolerance, line and load regulation.
 4. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC Directives.

Specifications subject to change without notice

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