



PM-10MD091

Input Range	Output Voltage	Output Current	Output ⁽²⁾ Ripple & Noise	Input Current ⁽¹⁾	Eff ⁽²⁾ (%)	Capacitor ⁽³⁾ Load max
66–160 VDC	12 VDC	0.83mA	100mVp-p	114mA	84	330uF

TECHNICAL SPECIFICATION

All specifications are typical at nominal input, full load and 25°C otherwise noted

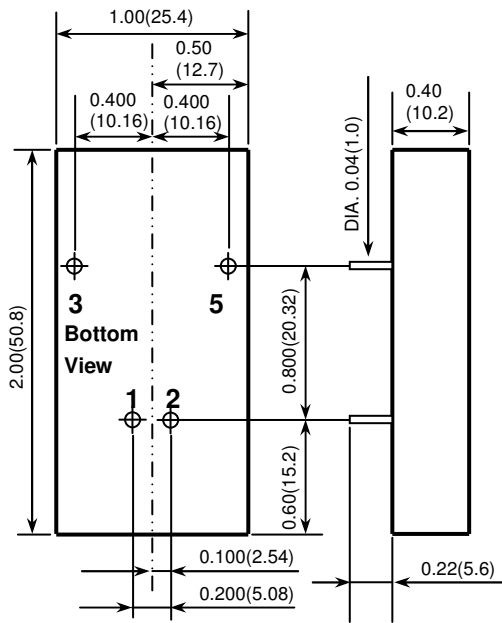
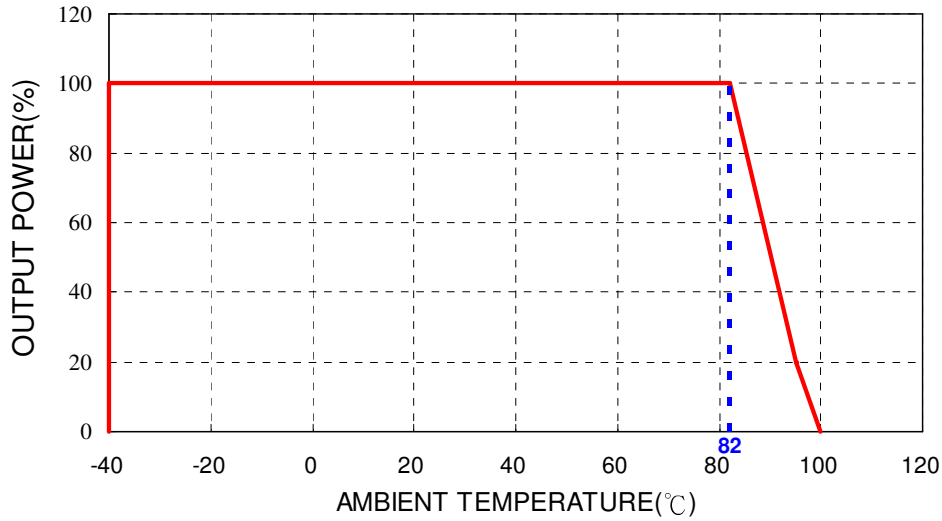
OUTPUT SPECIFICATIONS		
Output power		10 Watts max
Output voltage		12VDC
Output current		0.83mA
Voltage accuracy	Full load and nominal Vin	± 1%
Minimum load		0% of FL
Line regulation	LL to HL at Full Load	± 0.2%
Load regulation	0% to 100% FL	± 0.5%
Ripple and noise	20MHz bandwidth	100mVp-p
Temperature coefficient		± 0.02% / °C, max
Transient response recovery time	25% load step change	400uS
Over load protection	% of FL at nominal input	150%,typ
Short circuit protection	Continuous, automatics recovery	
INPUT SPECIFICATIONS		
Input voltage range	110V nominal input	66 – 160 VDC
Input filter		Pi type
Start up time	Nominal Vin and constant resistive load	Power up TBD

GENERAL SPECIFICATIONS		
Efficiency		84%
Isolation voltage	Input to Output Input (Output) to Case	1600VDC, min 1600VDC, min
Isolation resistance		10 ⁹ ohms, min
Isolation capacitance		1000pF, max
Switching frequency		300KHz, typ
Case material		Nickel-coated copper
Base material		Non-conductive black plastic
Potting material		Epoxy (UL94-V0)
Dimensions		2.00 X 1.00 X 0.40 Inch (50.8 X 25.4 X 10.2 mm)
Weight		27g (0.95oz)
ENVIRONMENTAL SPECIFICATIONS		
Operating temperature range		-40°C ~ +85°C(with derating)
Maximum case temperature		105°C
Storage temperature range		-55°C ~ +105°C
Thermal impedance	Nature convection	12°C/Watt
Thermal shock		MIL-STD-810F
Vibration		MIL-STD-810F
Relative humidity		5% to 95% RH

Note

1. Maximum value at nominal input voltage and full load
2. Typical value at nominal input voltage and full load.
3. Test by minimum Vin and constant resistive load.

PM-10MD091 Derating curve



PIN CONNECTION	
PIN	PM-10MD091
1	+ INPUT
2	- INPUT
3	+ OUTPUT
5	- OUTPUT

- All dimensions in Inches (mm)
Tolerance: X.XX±0.02 (X.X±0.5)
X.XXX±0.01 (X.XX±0.25)
- Pin pitch tolerance ±0.01 (0.25)
- Pin dimension tolerance ±0.004 (0.1)