

Model RMD750



Total Output Power	750 watts
Output Channels	Single
Input Mains Voltage	90-264VAC

STANDARD FEATURES

- Wide range Power Factor Corrected 90 to 264VAC, 47 to 63Hz. single phase
- Less than 250 μ A leakage
- EMI compliance to CISPR11, FCC Class B
- Medical Approvals to UL60601-1, IEC60601-1 and CSA 22.2 No. 601.1 (pending)
- Short circuit protection with auto-recovery
- Power fail, Current limit, OVP and thermal protection
- Dual AC fusing protecting both lines
- Compact size: 8.5"L x 5.0"W x 2.8"H
- 5 volt 100mA standby output
- Output voltages available from 12V to 48V
- Lower leakage option available

ENVIRONMENTAL

Operating temperature: 0° to 50°C ambient derate each output at 2.5% per degree from 50° to 70°C

Humidity: Operating; non-condensing 0% to 95%

Storage temperature: -40° to 85°C

Temperature coefficient: \pm 0.03% per °C

RoHS Compliant

GENERAL SPECIFICATIONS

Input

- Input range90 to 264VAC
- Power Factor0.99
- Frequency47-63 Hz
- Inrush current40A max., cold start.
- EfficiencyUp to 90%
- EMI filterCISPR 11 Class "B"
- Leakage currentless than 150 μ A @ 132 VAC input. Less than 250 μ A @ 250 VAC input.

Output

- Maximum power750W with internal cooling.
- Power LimitApprox. 115% of rated limit.
- Hold-up time.....18 ms @ 750W load
- Overload protectionShort circuit protection on all outputs.
- Overvoltage protectionMain output
- RegulationLine & load 1%.

Logic Control

- Power failureTTL logic signal goes low after loss of AC mains.
- DC OKTTL logic compatible.
- Remote on/off.....TTL logic compatible
- Remote senseCompensates for 0.5 V lead drop min. Will operate without remote sense connected.
- Reverse connection protected.

Physical

- Size5.0"W x 8.5"L x 2.8"H
(127mm x 216mm x 71.1mm)

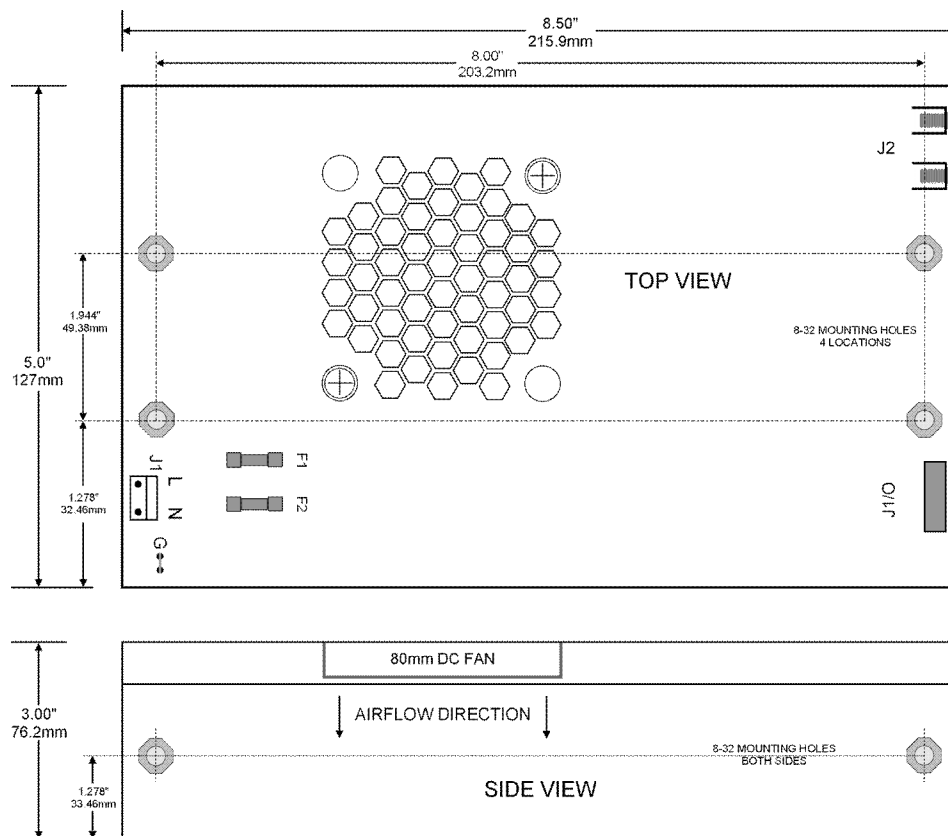
EAGLE SERIES ORDERING INFORMATION

Model Number	Output Voltage ¹	Maximum Current	Minimum Load	Typical Regulation	Ripple P/P (PARD) ²	Voltage Adjust
RMD750-24-C	24VDC	31.3A	0A	± 1%	240 mV	± 5%
RMD750-28-C	28VDC	26.8A	0A	± 1%	280 mV	± 5%
RMD750-36-C	36VDC	20.8A	0A	± 1%	360 mV	± 5%
RMD750-48-C	48VDC	15.6A	0A	± 1%	480 mV	± 5%

Notes:

- 1) Other voltage and current combinations are available in 0.10V increments. Consult with factory representative for details
- 2) Measured with 20MHz bandwidth at nominal line full load
- * Lower input leakage current models are optional. Contact a factory representative for details

MECHANICAL DETAIL



Additional notes

- 1) Other output voltages available upon request. Contact CDI Sales
- 2) All specification detail is subject to change without notice
- 3) All dimensions in inches, tolerance is ±.02"
- 4) Specifications are at factory settings
- 5) Mounting maximum insertion depth is 0.12"
- 6) Warranty: 1 year
- 7) Weight: 2.8 lb / 1.27 kg
- 8) Customer to allow adequate clearances above fan intake and both ends of chassis to allow for unrestricted air flow
- 9) All information is subject to change without notice.