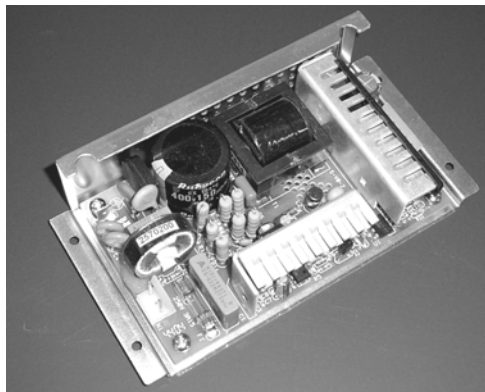


100 Watts R1044

Total Power: **100 Watts**
Input Voltage: **90-264Vac**
130-360Vdc
of Outputs: **Single**



Special Features

- Universal Input
- Active PFC
- Compact, 3" x 5" Footprint , with 1" profile
- Over voltage Limit Protection
- UL60950, CSA 60950
- Class B Conducted Emissions
- EFT to 2KV
- Surge to 2KV (L-G)
- Internal Fusing

Environmental

Operating temperature: 0° to 50°C ambient
Humidity: Operating; non-cond. 5% to 95%
Storage temperature: -40° to 85°C
Temperature coefficient: ±.04% per °C
MTBF: >180,000Hrs

Electrical Specifications

Input Specifications

Input Range 90-264Vac
130-360Vdc
Input Current 1.0A max. (RMS) @ 115Vac
Frequency 47-63 Hz
Inrush Current <20A @ 115Vac
cold start @ 25°C
Line Protection PCB AC line fuse
Efficiency 80% typical at full load
EMI Filter Class B Conducted
Isolation 4242 VDC (Input to Output)

Output Specifications

Output Max. Power 100W with 30cfm forced cooling
70W with convectional cooling
Line/Load Regulation ±1%
Hold-up time 20ms @ 100W load, 115Vac
nominal line
Overload protection Short circuit protected and
overload protected @ 110-145%
above max. rating
DC O/p Ripple Within 1% (Vpp) at max. load
cold start @ 25°C
Min. Load Requirement 10% of rated max. load

Safety

UL 60950
CSA 60950



Catalog 01-06 Dimensions are shown for
Reference purposes only.
Specifications are subject
to change.

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Voltage/Current Rating Chart

Output Voltage	Load		
	Convection	Max. Load	Peak Load
3.3Vdc	19.6A	27.2 A	36 A
5 Vdc	12.6 A	18 A	25 A
12Vdc	5.95 A	8.5 A	11 A
15Vdc	4.76 A	6.8 A	8.5 A
24 Vdc	2.94 A	4.2 A	5.0 A
48 Vdc	1.47 A	2.1 A	2.5 A

Mechanical Dimensions

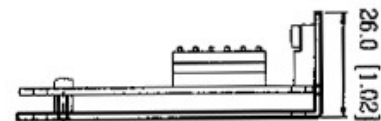
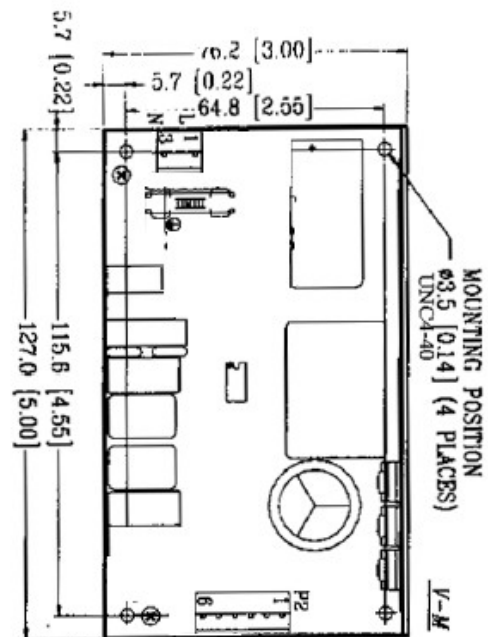
Overall Dimensions: 127 x 76.2 x 26 mm (5 x 3 x 1.02 in.)
 Mounting Hole Size: 3.6mm, 4 places, Standoff UNF 4-40
 Mounting Dimensions: 115.8 x 65.02 mm (4.55 x 3 in.)

Pin Assignments

Input Connector L1, L2	Molex, 3Pin: 09-65-2038 or Eq. Pins 1, 3 Pins 2 removed
Output Connector O/p Gnd	Molex, 6Pin: 09-65-2068 or Eq. Pins 1, 2, 3 Pins 4, 5, 6
Mating Connector AC Input	Molex Conn.: 09-52-4034 Crimp: 2878
DC Output	Molex Conn.: 09-52-4064 Crimp: 2878

Notes:

1. All dimensions are in mm (in.).
2. Mounting holes shall be grounded for EMI purposes.
3. All measurements performed at normal input at 25°C.
4. Warranty: 1year.
5. Weight: .7lb. / 0.3kg.
6. For custom voltages contact factory.
7. For other connections/terminations contact factory.



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