

M4 Series

20 WATT AC ADAPTERS



Features

- Three pin IEC 320 inlet
- Output connector: barrel type (5.5 x 2.5 x 9.5mm)
- Wide range AC input
- Level B EMI filter
- Fully enclosed plastic case
- Fully regulated output
- High efficiency

Elpac Model	Vdc	Amps	Watts (max)
M42005-760	5	3.5	17
M42008-760	8	2.5	20
M42012-760	12	1.7	20
M42015-760	15	1.3	20
M42018-760	18	1.1	20

Specifications

Input

- Voltage: 95-250 VAC (90-264)
- Current: 0.6 Amp @ 90V
- Frequency: 47 – 63 Hz

Output

- Hold up time: 20ms minimum at full load, 115 VAC
- Line regulation: TYP $\pm 1\%$ over 95-250 VAC
- Load regulation: TYP $\pm 5\%$
- Set point: $\pm 3\%$ at 60% load
- Transient response: Recovery within 1% of nominal output within 2ms for 50% to 100% load change. Max excursion of 6% from set point
- Over voltage protection: 115% - 135%
- Short circuit protection: Pulsing mode, auto recovery
- Efficiency: 75% nominal at full load and 115 VAC
- Ripple/noise (V_{RP}) $\pm 1\%$ (20 MHz bandwidth)

Environmental

- Operating temperature: 0°C to 40°C
- Storage temperature: -55°C to 85°C

EMI

- Meets FCC class B, CISPR 22 class B, VCCI class B

Mechanical

- Size: 4.25 x 2.54 x 1.30 inches

Safety

- UL1950 (NRTL/C), CSA 22.2 No. 950
- IEC 950
- CE-Marked

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