

DESCRIPTION

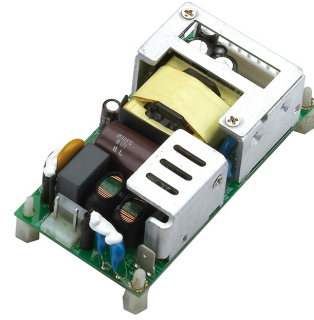
48W Open frame type power supply with 24V DC Output for information technology and industrial applications

APPLICATION

For information technology and industrial applications

FEATURES

- Compact size 2" x 4" x 1.18"
- Wide-range input 90-264 VAC
- Low earth leakage current
- EN55022 class B emissions
- RoHS compliant



WATTAGE

Wattage: 48W

PRODUCT HIGHLIGHT

Efficiency Level: 80 ~ 88%
Output Voltage: 24V
Size: 50.8 (2") x 101.6 (4") x 30 (1.18") mm

INPUT SPECIFICATION

Input Type: AC-DC
Input Voltage: 90~264 Vac
Input Frequency: 47~63 Hz
Input Current: 0.9A (rms) for 100 VAC 0.5A (rms) for 240 VAC
Inrush current: 25A @115VAC ; 50A @ 230VAC
Earth leakage current 150µA max. @264VAC, 63Hz

OUTPUT SPECIFICATION

Output Voltage/Current:

Output1
24 V , 2.0 A

Ripple & Noise:

Output1
240mV

Over Voltage Protection:

Output1
112% - 132%

Over current protection: All outputs protected to short circuit conditions
Temperature coefficient: All outputs $\pm 0.04\%$ / \square maximum
Transient response: Maximum excursion of 4% or better on all models, recovering to 1% of final value within 500µs after a 25% step load change

MECHANICAL

Dimension: 50.8mm(L) x 101.6mm(W) x 30.0mm(H)
Connector Type-Input: Molex header 09-65-2038 or equivalent, mating with Molex housing 09-50-1031 or equivalent
Connector Type-Output: Molex header 09-65-2068 or equivalent, mating with Molex housing 09-50-1061 or equivalent
Remote Control: No

SAFETY STANDARD APPROVAL



ENVIRONMENTAL SPECIFICATION

Operating temperature: -10 \square to +70 \square
De-rating: De-rate from 100% at +50 \square , linearly to 50% at +70 \square
Storage temperature: -40 \square to +85 \square
Relative humidity: 5% to 95% non-condensing

GENERAL SPECIFICATION

Efficiency: 80~88% minimum on all models
Hold-up time: 12 ms minimum at 12 VAC
Line regulation: $\pm 0.2\%$ maximum at full load
Withstand voltage: 5600 VDC from input to output, 2100 VDC from input to ground, 700 VDC from output to ground, 400,000 hours minimum at full load at 25 \square ambient, calculated per MIL-HDBK-217F
MTBF:

EMC PERFORMANCE

EN55011: Class B Conducted, Class B radiated
EN55022: Class B Conducted, Class B radiated
FCC: Class B Conducted, Class B radiated
VCCI: Class B Conducted, Class B radiated
EN61000-3-2: Harmonic distortion, Class A and D
EN61000-3-3: Line flicker
EN61000-4-2: ESD, ± 8 KV air, ± 6 KV contact
EN61000-4-3: Radiated immunity, 3 V/m
EN61000-4-4: Fast transient/burst, ± 2 KV
EN61000-4-5: Surge, ± 1 KV diff., ± 2 KV com.
EN61000-4-6: Conducted immunity, 3 Vrms
EN61000-4-8: Magnetic field immunity, 3 A/m
EN61000-4-11: Voltage dip immunity, 30% reduction for 500ms, 60% reduction for 100ms and > 95% reduction for 10ms