



Your Power House
VP ELECTRONIQUE

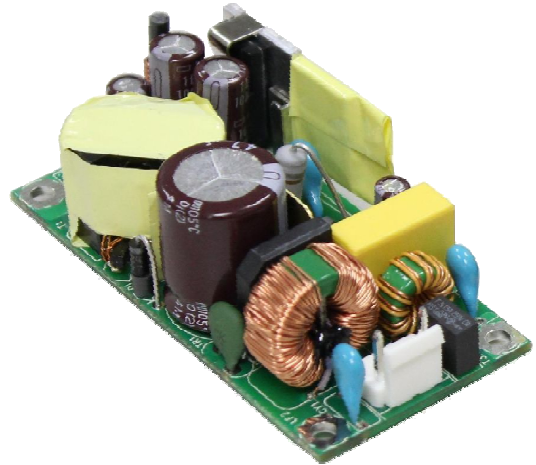
25 / 40Watts Single Output

\$&) 6`
\$(\$6 `G9F =9G`

Open Frame Type Switching Power Supply

FEATURES

- High Power density, 40W in 1.5" x 3" footprint
- Meet Efficiency Level VÁ
- Energy Consumption Criteria for No-Load under 100mWÁ
- 2 year warrantyÁ



ELECTRICAL SPECIFICATIONS

- Input range : 90 - 264VACÁ
- Inrush current : < 40A peak @115VAC; < 80A peak @230VAC cold start @25°CÁ
- Input current (rms) : 1A @115VAC; 0.5A @230VAC max.
- Efficiency : > 85% typical @full load, 115VAC (PW-025B-1Y05S: 80%)
- Maximum output power (Po) : 40 Watts convection cooling
- Hold-up time : > 6ms typical @full load, 115VACÁ
- Short circuit protection : Auto-recoveryÁ
- Over load protection : 180% maximum rating, Auto-recovery
- Over voltage protection : Output 110% to 130% rated output voltage

RoHS compliant

Dimension : L76.2 x W38.1 x H23.5 mm (3" x 1.5" x 0.93")
Weight : 0.074 kgs. (0.164 lbs.)Á

ENVIRONMENTAL

- Operating temperature : 0 to +70°C (Derate linearly 2.5% per °C from 51 to 70°C)
- Storage temperature: -40°C to +85°CÁ
- Humidity: Non-condensing 5% to 95%Á
- MTBF : > 150,000 hours @full load and 25°C ambient temperatureÁ

Safety standards

UL 60950-1
CSA C22.2 No.60950-1
Nemko EN60950-1
CB IEC 60950-1

EMI standards

FCC Class BÁ
CISPR 22 Class BÁ
EN 55022 Class BÁ
EN 55024Á
CEÁ

DC OUTPUT & FEATURES

| Model No. | Output Voltage | Minimum Load | Maximum Load with Convection Cooling | Po | Peak Load Convection (60sec.) | O/P Regulation | Ripple & Noise(Vp-p) | LPS |
|------------|----------------|--------------|--------------------------------------|-----|---------------------------------|----------------|----------------------|-----|
| 025B-1Y05S | +5V | 0A | 5.00A | 25W | 7.00A (35W) | ±5% | 100mV | XÁ |
| 040B-1Y12S | +12V | 0A | 3.34A | 40W | 4.17A (50W) | ±3% | 120mV | ● |
| 040B-1Y15S | +15V | 0A | 2.67A | 40W | 3.34A (50W) | ±3% | 150mV | ● |
| 040B-1Y18S | +18V | 0A | 2.23A | 40W | 2.78A (50W) | ±3% | 180mV | ● |
| 040B-1Y24S | +24V | 0A | 1.67A | 40W | 2.09A (50W) | ±3% | 240mV | ● |
| 040B-1Y36S | +36V | 0A | 1.12A | 40W | 1.39A (50W) | ±2% | 240mV | ● |
| 040B-1Y48S | +48V | 0A | 0.84A | 40W | 1.05A (50W) | ±2% | 240mV | ● |

Note: 1. At 25°C including initial tolerance, line voltage, load currents and output voltages adjusted to factory settings.Á
2. Ripple and noise are measured at oscilloscope 20MHz bandwidth by a 10uF electrolytic capacitor and a 0.1uF ceramic capacitor in parallel at output connector.Á

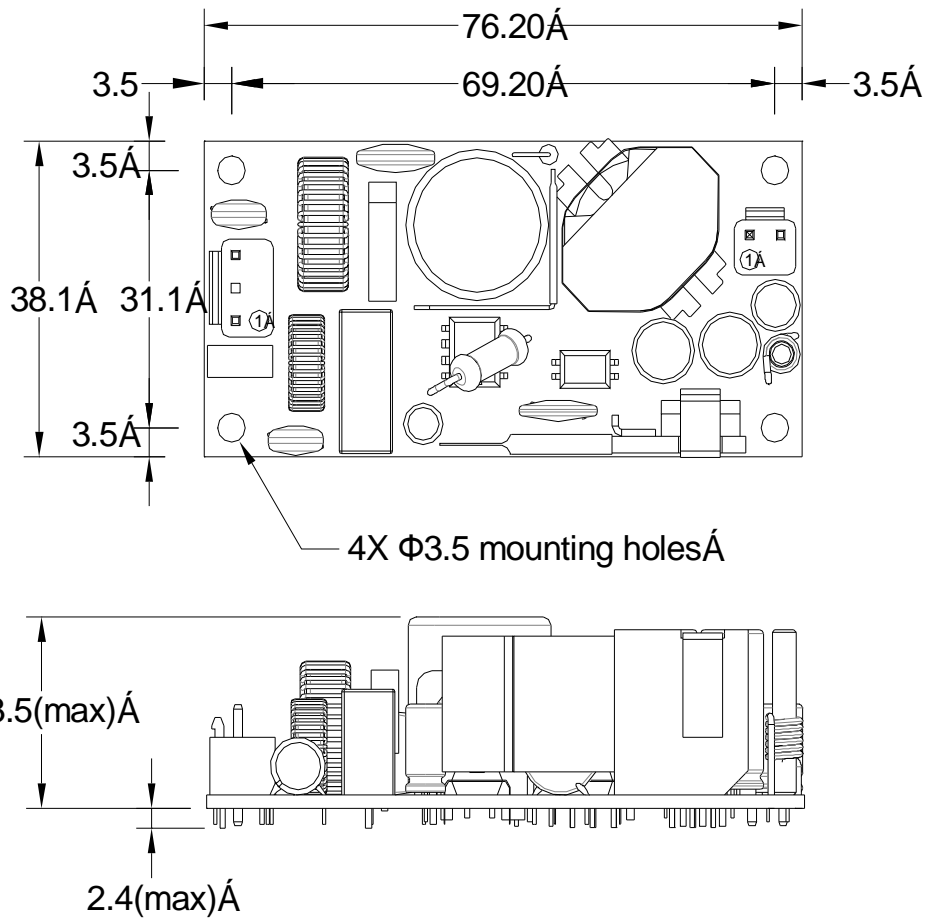


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MECHANICAL SPECIFICATION



MATCHING CONNECTORS

CN1: Input Connector

JST B3P-VH-B pitch: 7.92mm or equivalent, matesÁ
with JST VHR-3N or equivalentÁ

| Pin #Á | SignalÁ |
|--------|-------------|
| 1Á | AC LineÁ |
| 2 | AC NeutralÁ |

CN2: Output Connector

JST B2P-VH-B pitch: 3.96mm or equivalent, matesÁ
with JST VHR-2N or equivalentÁ

| Pin # | SignalÁ |
|-------|---------|
| 1 | GNDÁ |
| 2 | +VoÁ |