

Power-over-Ethernet Modular Power Supply

Key Features:

- High Input to Output isolation.
- 300 kHz switching frequency (typical).
- MOSFET design.

Specifications:

| | | |
|-----------------------|-------------------------------------|---------------------------------------|
| Input Voltage: | | 9 to 18VDC |
| Output: | | 48 VDC (RJ45 connector) @ 0.11A |
| | Rated Power (Maximum): | 5 Watts |
| | Line Voltage Regulation: | ± 0.5% maximum |
| | Load Regulation: | ± 1.0% maximum |
| | Ripple & Noise: | 480 mV p-p maximum (20 MHz Bandwidth) |
| | Temperature Coefficient: | ±0.02% per °C |
| | Efficiency: | 82% |
| Protection: | Isolation Voltage (input - output): | 1,500VRMS |
| | Resistance (input – output): | 1 G ohm for 1 minute |
| | Isolation capacitance: | 1200 pF maximum |
| | Short circuit/ Overload protection: | Continuous, auto recovery |
| Environmental: | Operating Temperature: | 40°C to +85°C |
| | Storage Temperature: | -40°C to +100°C |
| | Humidity (non-condensing): | 95% RH |
| Physical: | PCB Mounted: | Asymmetrical PIH mounting |
| | Weight: | 38 grams (1.3 oz) |

RoHS Compliant.



Custom power supply designs are available to meet the specific application requirements. For a no obligation technical evaluation, please provide the specific performance requirements to engineering@tichenassociates.com or the address below.