

PW182RD

Universal 17 Watt (IEEE802.3af Compliant)



Power over Ethernet (PoE) / SMPS

- 10/100 (Mbps) Data Rates
- Self-contained Injector
- 100-240VAC Universal Input
- Desktop Style / Non-vented Case
- IEEE802.3af Compliant
- Load Diagnostic LED
- UNH IOL Test Report
- Over Load Shutdown and Short Circuit Protection
- Regulated Output With Low Ripple
- Complies with EMI/RFI Regulations
- CE Compliant
- Midspan



International Safety Standard Approvals



CME COMPUMESS ELEKTRONIK

CompuMess Elektronik GmbH
Lise-Meitner-Str. 1 • D-85716 Unterschleißheim
Telefon (089) 32 15 01 - 0 • Telefax (089) 32 15 01 - 11
info@compumess.de • www.compumess.de
www.netzteile.de



Specifications

Output Specifications

| | | |
|---|----------------|---|
| Combined Line and Load Voltage Regulation | Excluding Cord | ±1% |
| Ripple | | 1% Vp-p max. |
| Transient Response | | 0.5ms for 50% Load Change Typical |
| Protection | | Foldback Overcurrent Protection, Short Circuit Protection |

Input Specifications

| | | |
|------------------------|-------------|--|
| AC Input Voltage Range | | 100-240VAC -10%, +10% |
| Line Frequency | | 47-63Hz |
| AC Input Current | 90VAC Input | 0.6A max. |
| Protection | | Internal Primary Current Fuse, Inrush Limiting |

Environmental Specifications

| | | |
|---------------------|--|---------------|
| Thermal Performance | Operating Temperature No Derating, Convectional Cooling Non Vented Case | 0° C to 40° C |
| Relative Humidity | Non-Condensing | 5% to 95% |
| Altitude | | 0-10,000 feet |

General Specifications

| | | |
|----------------------|---------------------------------------|--|
| Topology | | Switching-Fixed Frequency Flyback |
| Dielectric Withstand | Primary-Secondary Secondary-Ground | 3000VAC, 4250VDC 500VDC |
| Spacing | | 5mm Primary-Secondary |
| Leakage Current | | Less than 250 uA |
| Efficiency | | 65% Typical @ Max. Load and 120VAC/60 Hz |
| EMC Information | | |
| Emissions | FCC Part 15. EN55022. | Class B Class B |
| Harmonic VFF | EN61000-3-2 EN61000-3-3 | |
| ESD | EN61000-4-2. | Level 2 |
| RF EMI | EN61000-4-3. | Level 2 |
| EFT | EN61000-4-4. | Level 2 |
| Surge | EN61000-4-5. | Level 3 |
| CDI | EN61000-4-6. | Level 2 |
| CD | EN61000-4-8. | Level 1 |
| Voltage Dips | EN61000-4-11 | |
| CE | LVD, EMC, RoHS, WEEE, CE Compliant | |
| Hold-up Time | @120VAC @240VAC | 10ms min. typ. 30ms min. typ. |
| Storage Temp | | -30° C to +85° C |

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For the most current data and application support visit www.slpower.com

| Ault Part Number | Output Voltage | Output Currents | | Max Watts | Ripple Vp-p max. |
|------------------|----------------|-----------------|--------|-----------|------------------|
| | | Min | Max | | |
| PW182RD4800_01 | 48 V | 0.00 A | 0.35 A | 17 W | 480 mV |

| Ault Part Number Key | | | | | | |
|----------------------|---|-------------------------|-----------------------|-----------|---------------------------------|--|
| PW182 | R | D | 48 | 00 | _ | 01 |
| Product Family Name | Manufacturing Location (volume dependent) | Design Revision Changes | Voltage DC Model Type | Connector | Input Configuration/ Model Type | Standard (no modifications or special packaging) |

Input Configuration



Specify the Input Configuration Code in your order.

General Specifications (continued from p. 1)

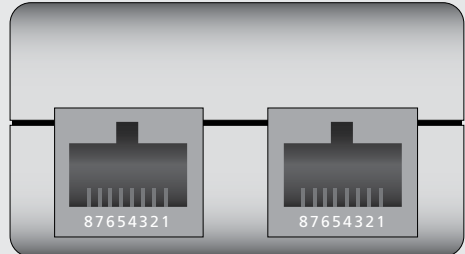
| | | |
|-------------------------|--------|---|
| Approvals and Standards | Safety | cULus : UL/CSA60950 TUV : EN60950 CE: LVD, EMC |
| MTBF | | 100,000 Calculated Hours |
| Weight | | 7 Ounces, 200 Grams |
| Case and Dimension | | 5.24L x 2.13W x 1.42H (in) 133.0L x 54.0W x 36.0H (mm) |
| Case Material | | Black 94V0 Polycarbonate |
| Cord and Connectors | | Dual RJ45 jacks built into the enclosure |

Personalized PoE

Options (additional costs may apply):

- Custom label artwork
- Custom agency approvals available
- Surge protection (Input & Output)
- Mounting bracket
- Custom PoE modifications

Pin Connections



| J1 Pins | J2 Pins |
|----------------|------------------|
| 1. Data Pair 1 | 1. Data Pair 1 |
| 2. Data Pair 1 | 2. Data Pair 1 |
| 3. Data Pair 2 | 3. Data Pair 2 |
| 4. + VDC | 4. No Connection |
| 5. + VDC | 5. No Connection |
| 6. Data Pair 2 | 6. Data Pair 2 |
| 7. - VDC | 7. No Connection |
| 8. - VDC | 8. No Connection |

LED Functions:

| | |
|-------|--------------|
| Amber | Power On |
| Green | Power Active |
| Blink | Load Error |



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