

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



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



IEC320
w/ground
C14
(F)



Shaver
C3
(N)

Specify the Input Configuration Code in your order.

General Specifications (continued from p. 1)

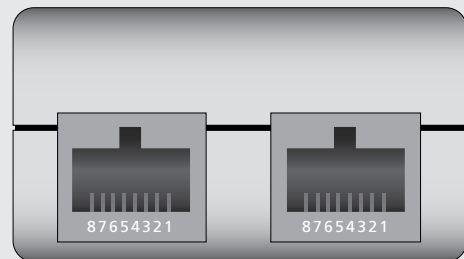
Approvals and Standards	Safety	cULus : UL/CSA60950 TUV : EN60950 CE: LVD, EMC
MTBF		100,000 Calculated Hours
Weight		7 Ounces, 200 Grams
Case and Dimension		5.24L x 2.13W x 1.42H (in) 133.0L x 54.0W x 36.0H (mm)
Case Material		Black 94V0 Polycarbonate
Cord and Connectors		Dual RJ45 jacks built into the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

J2

J1 Pins

1. Data Pair 1
2. Data Pair 1
3. Data Pair 2
4. + VDC
5. + VDC
6. Data Pair 2
7. - VDC
8. - VDC

J2 Pins

1. Data Pair 1
2. Data Pair 1
3. Data Pair 2
4. No Connection
5. No Connection
6. Data Pair 2
7. No Connection
8. No Connection

LED Functions:

Amber	Power On
Green	Power Active
Blink	Load Error

