RPF PSE Desktop Class I

Reverse Power Feeding Power Supply Equipment
Models: PSETT02AC / PSETT03AC (15W & 21W)

Product description

LEA Networks' RPF PSE is a high performance and easy to install RPF unit that enables reverse powering with minimum insertion loss at maximum loop lengths.

It combines both data and power on one twisted pair or coax cable to reverse power the Distribution Point Unit (DPU).

The RPF PSE Desktop is equipped with one RJ11 connector for LINE, one RJ11 connector for LINE & POWER, one LED for AC power, one LED for reverse power status and one LED for Class error.

Reverse Power Feeding is the ideal and most flexible powering solution for DPU deployments, enabling a drastic reduction in installation costs and times.

Type F   Type E   Type G   Type B   Type I

Features

- Compatible with G.fast and G.hn SISO & MIMO
- End-user self-install, not requiring licensed electrician
- Options of desktop or wall installation
- Changeable power cord makes it easy to use in different countries
- PSE power classes SR2 (15W) or SR3 (21W)
- NEW - auto-detection, auto-adapt : SR2 units will power SR1 type products; SR3 units will power SR2 & SR1 type products
- Optional plug-in modules to convert Twisted Pair to:
  - Coax LINE+POWER / Coax LINE
  - Coax LINE+POWER / RJ11 LINE

RPF PSE Desktop Class I

Reverse Power Feeding Power Supply Equipment
Models: PSETT02AC / PSETT03AC (15W & 21W)

Specifications

Dimensions	125 x 74 x 43 mm / 4.9 x 2.9 x 1.7 inches
Electrical characteristics	Nominal rated AC Input Voltage: 100-240Vac AC input voltage range: Min 90Vac / Max 254Vac - 50/60 Hz RPF DC output voltage: 57 VDC nominal AC/DC efficiency: ≥ 80% (from 25% to 100% load) Starting time at the AC restoration: max 15s | nominal 5s Holding time at full power after AC outage: > 17ms Protection against over current by fuse Protection against overvoltage by Voltage Dependent Resistor
Protocol /Standards	ETSI TS 101 548 Reverse Power Feed Architecture without POTS (RPFA-NOP) MDSU protocol BBF TR-301 Architecture and Requirements for Fiber to the Distribution Point ITU-T K.21 basic level
Data bandwidth	2-212 MHz : Compatible with G.fast and G.hn access systems
Interfaces	LINE: RJ11 (from G.fast or G.hn modem/NTE) LINE+POWER: RJ11 AC socket (IEC60320 C6 type) AC power LED, reverse power status LED, class error LED
Temperature	Operating: 0...+45°C (32°F to 113°F) Storage: -20...+70°C (-4°F to 158°F) Relative humidity 10 to 90% non-condensing
Regulations	FCC part 15 (Radiated Emission class B product) CE EMC (2014/30/EU directive) IEC 60950-1 (UL listed and CE marking) ROHS (2011/65/EU directive) AUS/NZ CISP32 Class B
Options	Versions available on demand for SR4 power rating, as well as multiclass with auto detection Versions available on demand for Class 2 (no earth) requirements Coax LINE+POWER / Coax LINE plug-in module (F type) & RJ11 LINE plug-in module (F type)

LEA Part Number	Description
PSETT02AC-XXLE01 / PSETT03AC-XXLE01	SR2 / 3 RPF PSE Desktop without AC power cord
PSETT02AC-UELE01 / PSETT03AC-UELE01	SR2 / 3 RPF PSE Desktop with 1.5m AC power cord IEC60320 C5-BS1363/A fused (5A)
PSETT02AC-EELE01 / PSETT03AC-EELE01	SR2 / 3 RPF PSE Desktop with 1.5m AC power cord IEC60320 C5-CEE7/7
PSETT02AC-AULE01 / PSETT03AC-AULE01	SR2 / 3 RPF PSE Desktop with 1.5m AC power cord IEC60320 AS/NZS 3112 (Type I)
PSETT02AC-NELE01 / PSETT03AC-NELE01	SR2 / 3 RPF PSE Desktop with 1.5m AC power cord IEC60320 C5-NEMA 5-15