

PDU1912 Series

Power Distribution Unit for Use with RFS Tower Mount Amplifiers

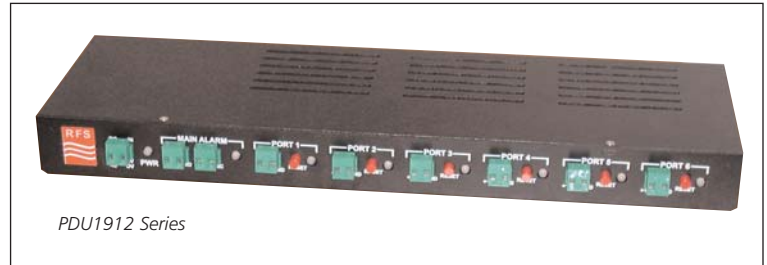
General Description

RFS PDU1912 is a power distribution unit intended for use with RFS' Tower Mount Amplifiers. The unit powers the TMA's while providing basic monitoring of the TMA's performance.

The PDU1912 is designed to provide direct current through the bias-T (716-UC90-07) to power six units of dual-band or single-band TMA's. Green LED's near each connector indicate the functionality of the TMA's. If a fault occurs in the TMA, the LED will either change to red or yellow depending on the fault condition as indicated in the specification.

The PDU1912 can be mounted in a standard 19" rack and is one rack unit high. All DC connectors come with mating connectors and the unit includes individual reset switches for each port

- This compact unit occupies only one rack unit on a 19" rack and only one unit is needed for a site with six TMA's.
- Individual alarms provide easy monitoring of the TMA's at the site by means of LED.
- Remote monitoring is possible with a combined alarm.
- Snap-in DC connectors make the unit easy to install.
- No special kit is necessary for installation.



Ordering Information

PDU1912-0	For use with bias-T surge protection 716-UC90-07 or 716-UC90-09
PDU1912-1	For use with Nokia VSWR bias-T WBUB
KIT-PDU1912-1	Includes one PDU1912-1 power distribution unit and six cable assemblies, RG316 cable, 25 ft, SMB plug on one end.

Specifications

	PDU1912-0	PDU1912-1
Operating Temperature, °C		-5 to +55
Input Voltage, VDC		18-75 (+24 or -48)
Input Current Consumption (max), A		2.50 @ +24 V 1.25 @ -48 V
DC Output Ports		6 -Dual Band TMAs (ATM19801712) or 6 -850 Band TMAs (ATM801712) or 6 -1900 Band TMAs (ATM192012B or ATM192012)
Output DC port Voltage, V		+12 ±0.5
Nominal TMA Operation Current, mA (Output DC port current, normal mode)	Dual Band 850 Band 1900 Band	365 ±40 175 ±15 190 ±25
Alarm Mode TMA Operation Current, mA (Output DC port current, alarm mode)	Dual Band One Failure Dual Band Both Failure 850 Band Failure 1900 Band Failure	230 - 295 140 - 160 75 - 85 65 - 75
Output Short Circuit Protection Limit, mA		600
Alarm Indications		
Power LED		
Green		PDU operational
DC port LEDs		
Green		TMAs (dual or single) operational
Red		TMAs (dual or single) failure
Yellow		DC output port short
Off		DC output port open (If power LED is green)
Main Alarm LED		
Green		No alarm conditions detected from ports 1-6
Red		Alarm condition detected from one or more ports 1-6
Weight, lb		< 5
Mounting		19" Rack or wall mount
Overall Dimensions		19" x 6" x 1.73"
Compliance to Standards		IEC 61000-4-4 Conducted Immunity, Power Leads, Spikes 4kV IEC 61000-4-2 ESD 8kV Contact Discharge, 15kV Air Discharge UL approval pending

*Nokia VSWR Bias-T model WBUB in good condition drawing 25mA.