



**ptf**

## 1230A/1231 GPS L-Band Distribution

**Input Frequency 200 to 2000 MHz**  
**High Quality RF Outputs**  
**Low Noise**  
**Isolation (>40dB typical)**  
**Convenient Rack Mount Packaging**



The **ptf 1230A(1U)/1231A(2U)** GPS L-Band RF Distribution amplifiers provide high performance GPS signal references for laboratory or systems use.

In most applications the low noise and signal gain capability of the units will provide users with a robust GPS signal source for lab or system requirements.

The **ptf 1230A/1231A** uses individually buffered output stages and insures maximum isolation between the individual outputs. The 1230A offers 12 outputs. Options are available for a 2U (3.5") version with 36 outputs.

Isolation from output to output is >-40 dB. The input also offers DCV for biasing an active antenna.

### Specifications

#### Electrical

##### RF Input

Frequency Range	200 to 2000 MHz
Input Level (minimum)	5 dBm
Load Impedance	50 ohm
Connectors (female)	TNC
GPS Antenna Bias	Selectable 3/5VDC

##### RF Output

1231A	12 outputs
Frequency Range	200 to 2000 MHz
Gain at each output	5 dB, +/- 1 dB
Load Impedance	50 ohm
Isolation	>40dB
Connector (female)	TNC

##### Alarm Output

Summary alarm indicates failure of any output  
Non-alarm condition: Relay energized

##### Controls & Indicators

Power	Green LED
Alarm	Red LED

##### Environmental/Physical

Temperature:	0° to 55° C
Power Requirements:	90 - 264VAC, <15W
DC Option	18 to 72 VDC
Dimensions (HxWxD):	1.75 " x 19" x 12" <b>1U</b>
	3 " x 19" x 12" <b>2U</b>
Relative Humidity :	0-95% (non-cond.)