

## 1230A/1231 GPS L-Band Distribution

**Input Frequency 500 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 **ptf 1231A** offers 12 outputs. Options are available for a 2U/3.5" version (ptf 1230A) with 24 outputs.

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

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### Specifications

#### Electrical

##### RF Input

Frequency Range	500 to 2000 MHz
Input Level (maximum)	-25 dBm
Load Impedance	50 ohm
Connectors (female)	TNC
GPS Antenna Bias	Selectable 3/5VDC

##### RF Output

1231A	12	outputs
Frequency Range	500 to 2000 MHz	
Gain at each output	0 dB, +/- 6 dB	
Load Impedance	50 ohm	
Isolation	>40dB	
Connector (female)	TNC	

##### Alarm Output

Alarm indicates antenna input short	
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 16" <b>1U</b>
	3.5 " x 19" x 16" <b>2U</b>
Relative Humidity :	0-95% (non-cond.)

Specifications subject to change without notice