Precise Time and Frequency,LLC
an LGL Group Company

1202A High Frequency RF Distribution

Input Frequencies 30MHz to 400MHz
12 High Frequency RF Outputs
Low Additive Phase Noise
Isolation (>85dB typical)
Low Cost Convenient 1U Package

The ***ptf*** 1202A Hig Frequency RF Distribution amplifier provides high performance frequency references for laboratory or system use requiring distribution at frequencies of 30MHz and above.

The ***ptf*** 1202A is especially designed to distribute the high frequency input signal to 12 separate outputs, with minimum signal distortion and maximum isolation between individual output signals.

In most applications the phase noise capibility of the ***ptf*** 1202A will outperform the input signal performance to such a degree that no additive phase noise will be noticeable on the outputs.

Isolation output to output is >85 dB and harmonics are <-40 dB. Non-harmonics are <-80dB

Specifications

Electrical

RF Output (twelve)

Frequency Range	30MHz to 400MHz Broadband outputs
Level	1V rms (13dBm nominal)
Harmonic Distortion	<-40 dB
Non-Harmonic Signals	<-80 dB
Load Impedance	50Ω
Isolation	>85 dB*
Connectors	BNC

*Isolation alternating channels >100dB

Additive SSB Phase Noise
(1 Hz Bandwidth) Offset from carrier

1 Hz	-80 dB
10 Hz	-105 dB
100 Hz	-125 dB
1,000 Hz	-140 dB
10,000 Hz	-155 dB

RF Input

Frequency Range	30MHz to 400MHz
Level	1 V rms (13dBm nominal)

Alarm Output
Summary alarm indicates failure of any output signal

Non-alarm condition:	Relay energized (fail safe)
Connector:	9 pin D-male

Controls & Indicators

Power	Green LED, power is connected
Alarm	Red LED, signal output failure

Environmental & Physical

Temperature:	0° to 55° C
Relative Humidity:	0 to 95%, non-condensing
Power Requirements	
AC Input (±15%)	90 - 264 VAC, <10W
DC Input (optional)	
Dimensions (HxWxD):	1U x 19" x 16"

Configuration Options

Option #	Description
DCPS	DC Power Supply
RSLD	Mounted Rackslides

ptf 1202A rear view

Specifications subject to change without notice