

1204A DIGITAL SIGNAL DISTRIBUTION

**Compact Rack Mount 1U High Package
Twelve Channel Output Distribution
Daisy Chain For Additional Output
Buffered Outputs
Minimum Skew & Propagation Delay
Pulse and IRIG DCLS**



The *ptf* 1204A Digital Signal Distribution unit is a flexible platform used for distribution of various pulse formats (ex. 1 PPS, 1 PPM, 10 PPM, etc). The *ptf* 1204A will also distribute digital timing signals such as IRIG-B DCLS format.

In order to cater for a wide range of input pulse frequencies, the *ptf* 1204A design utilizes a CPLD with jumper selectable alarm delays to

correct alarm on the various pulse frequencies. The unit reproduces precision pulse input signals with the minimum of propagation delays.

The unit uses high speed signal buffering to distribute the input signal to 12 separate outputs and maintain the quality of the input signals.

SPECIFICATIONS

ELECTRICAL

Input Level	10V max (0-5V nominal)
Output Level	0 - 5V (Standard) 0 - 10V (OPLB option)
Output Impedance	50Ω
Load Impedance	50Ω
Frequency Range	50MHz maximum
Rise Time	<2ns
Ch to Ch Skew	<2ns
Controls & Indicators	
Power	Green LED, power is connected
Alarm	Red LED, signal output failure

ENVIRONMENTAL & PHYSICAL

Temperature	operating	0° to 55° C
	storage	-40° to 70° C
Relative Humidity	0 to 95%, non-condensing	
Power Requirements	AC Input (±15%)	90 - 264 VAC, <10W
	DC Input (optional)	

Dimensions (HxWxD): 1U x 17" (19" with ears) x16"

Configuration Options

Option #	Description
DCPS	DC Power Supply
RSLD	Mounted Rackslides



ptf 1204A rear view

Specifications subject to change without notice

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Rev C