

## ***1207A-A Auto Switch / Distribution***

- **Switches Multiple Signal Pairs**
- **Fast Switching time**
- **Broadband range**
- **Latching switches**
- **Remote Monitor /Control**
- **Power fail “failsafe” operation**

With intense competition and subscribers demanding ever more from service providers, quality and availability of service have never been more critical to maintaining and expanding your subscriber base.

To complement our range of our high quality frequency and timing references, **Precise Time and Frequency, Inc.** has now introduced a new RF, Digital, and Time Code, Auto Switch / Distribution unit to insure you deliver the performance and reliability your customers demand.

The **ptf 1207A** delivers up to eight channels of fully redundant, frequency and timing references to critical applications such as Satellite Communications, Broadcasting, WiMax and others, with ***NO SINGLE POINT OF FAILURE.***

The unit accepts two inputs on each channel from separate sources (primary and backup), monitors the inputs for signal integrity, and outputs the primary signal with no degradation of the input.

If the primary input on any channel fails, the unit will automatically switch to the backup input and indicate a primary signal fault.

The unit will accept up to eight channels simultaneously and independently switch on each channel.

The unit also includes full remote monitoring and control via RS232 and Ethernet interfaces.

### ***ptf 1207A-A Auto Switch / Distribution Unit***



## Specifications

### Inputs

#### RF

Frequency 1MHz to 30MHz  
Amplitude 13dBm into 50 ohms  
(1V rms into 50 ohms)

#### Digital

Frequency 0.01 PPS to 20 MPPS  
Amplitude 5V TTL into 50 ohms  
(nominal)

#### Time Code

Modulation Freq. 1kHz to 1MHz  
Amplitude 3V pk-pk  
Modulation Ratio 3 : 1

### Outputs

#### RF

Frequency 1MHz to 30MHz  
Amplitude 13dBm into 50 ohms  
(1V rms into 50 ohms)

#### Digital

Frequency 0.01 PPS to 20 MPPS  
Amplitude 5V TTL into 50 ohms  
(nominal)

#### Time Code

Modulation Freq. 1kHz to 1MHz  
Amplitude 3V pk-pk  
Modulation Ratio 3 : 1

### Switching Characteristics

Switch Type Latching Relay  
Switching time <3ms typical

### Indicators/Controls

Power Green LED  
Channel Fault Red LED  
Manual Selected Red LED  
Channel Selected Green LED

### Controls

Auto/Manual Membrane switch  
Channel Select Membrane switch

### Power Supply

Input voltage 90 - 264 VAC  
Input power <10W

### Environmental

Temperature: 0° to 55° C

Relative Humidity: 0 to 95%, non-condensing

Dimensions (HxWxD): 1U x 19" x 12"



Rear Panel View