

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