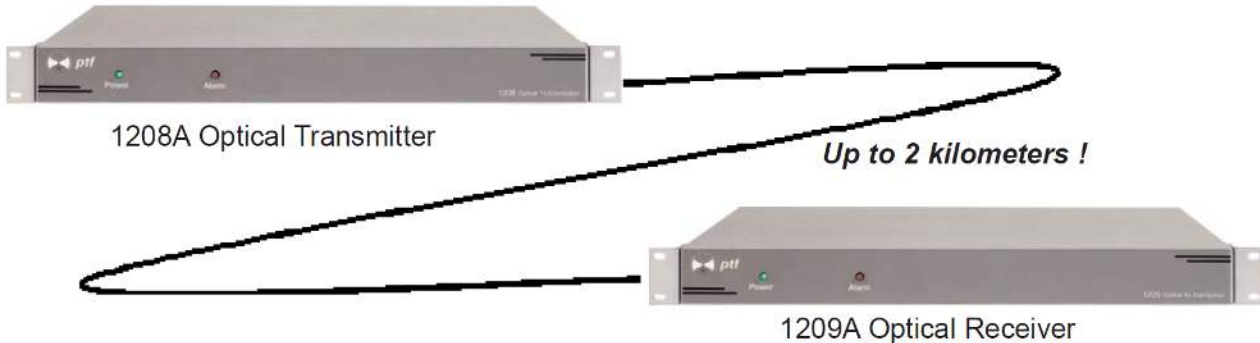


1208/9A OPTICAL DISTRIBUTION, Rx/Tx



- Distribution of signals from 1kHz to 20MHz
- Transmission Distance >2 km
- Highly flexible configuration of Transmitter and Receiver
- Simple to install and configure
- Input and output signal monitoring and alarms
- <-90 dBc channel to channel isolation

The ptf 1208A (transmitter) and ptf 1209A (receiver) provide a convenient and simple way to transmit high quality RF signals over long distances, without the concerns associated with electrical interference and pick-up.

The ptf 1208A accepts an RF input in the range from 1kHz up to greater than 10MHz and provides a combination of 8 local, high isolation, RF distribution outputs and 4 optical transmission outputs for distances up to 2 kilometers.

The ptf 1209A accepts an optical input (transmitted from the ptf 1208A) and provides 12 local RF outputs, either digital (TTL into 50 ohms) or low noise sine wave signals driving 1V rms into 50 ohms (with the PLL option), or both.

These systems are especially designed to accommodate IRIG B DCLS, 1PPS and other RF signals in the range from 1kHz to 20MHz.

The modular construction allows for a variety of input/output configurations to provide a fully tailored application solution.

Specifications subject to change without notice

SPECIFICATIONS

ptf 1208 Optical Transmitter



Inputs

RF Input

Frequency 1kHz to 20MHz
Level 0V to 5V (TTL) into 50 ohms
Connector BNC

Outputs

RF Outputs(8)

Frequency 1kHz to 20MHz
Level 0V to 5V (TTL) into 50 ohms
Connector BNC
Isolation >-90dB

Optical Outputs(4)

Frequency 850nm with amplitude modulated square wave
Modulation 1kHz to 20MHz
Connector ST

ptf 1209 Optical Receiver



Optical Input

Frequency 850nm with amplitude modulated square wave from 1kHz to 20MHz
Level -10dBm to -30dBm
Connector ST

RF Outputs(12)

Frequency 1kHz to 20MHz
Level 0V to 5V (TTL) into 50 ohms
Connector BNC
Isolation >-90dB

Feed-through RF output(1)

Frequency 1kHz to 20MHz
Level 0V to 5V (TTL) into 50 ohms
Connector BNC

Environmental/Physical

Environmental/Physical

Input Power

AC 100 VAC to 265 VAC
DC(optional) 20 VDC to 70 VDC

Operating Temp.

-35 to 75 deg. C

Relative Humidity

0-95%(non-cond.)

Dimensions

1U x 19" x 16"

Operating Temp.

0 to 50 deg. C

Relative Humidity

0-95%(non-cond.)

Specifications subject to change without notice