



Features

- Able to Transmit Up to 5 CATV Channels Over One Multimode Fiber
- Supports Transmission of Sub-Band, Low-Band, FM, Mid-Band, and High-Band Channels, Adding Flexibility to the System
- Plug-and-Play Design Assures Easy Installation
- Most Comprehensive Product of its Type Available in the Industry
- Ideal for Small Corporate TV Video Distribution, Campus Media Retrieval Systems, Teleconferencing Applications, or as a Return Path Transmitter for Larger Video Systems

The 2801 PRO 5 Channel CATV VSB/AM Video Link provides a high-quality system for transporting five video channels over multimode fiber with complete EMI immunity. The use of state-of-the-art 1300 nm LEDs and PIN detectors allows the 2801 PRO to operate at exceptional performance levels. The link offers excellent analog bandwidth that ranges from 5 to 350 MHz, allowing transmission of all sub-band, low-band, FM, mid-band, and high-band channels. This system also offers excellent performance at lower channel loadings. The 2801 PRO provides an inexpensive option for transmitting high-quality video, making it an obvious choice for video delivery services using multimode fiber.

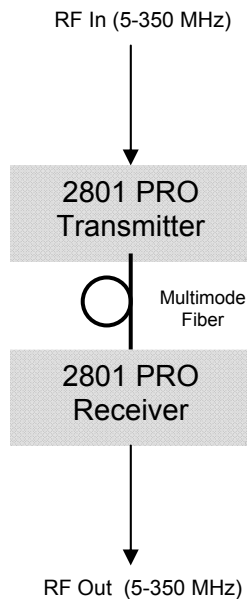
5 Channel Multimode Transmitter & Receiver Part Numbers

| Description | Part Number |
|--|-----------------|
| Stand-Alone Transmitter, 1300 nm, ST Optical Connector | 2801P-T-1310-ST |
| Stand.-Alone Receiver, 1300 nm, ST Optical Connector | 2801P-R-ST |

Note: Power supply part number PS095 included.

Accessory Part Numbers

| Description | Part Number |
|---|-------------|
| Transmitter Stand-Alone Power Supply, +9 Volts DC | PS095 |
| Receiver Stand-Alone Power Supply, +9 Volts DC | PS095 |

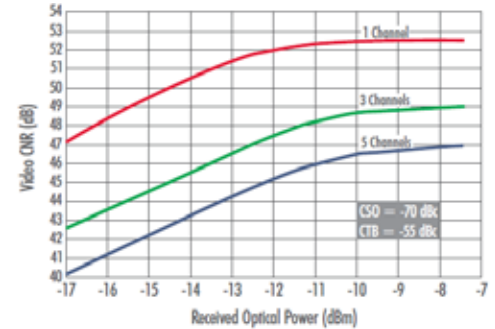


RF and Optical Characteristics

| Parameter | Min | Typ | Max | Units |
|------------------------|------|-----------|------|-------|
| Operating Wavelength | 1290 | 1300 | 1330 | nm |
| Lower Bandwidth | - | 2 | 5 | MHz |
| Upper Bandwidth | 350 | 400 | - | MHz |
| Optical Output Power | -8.0 | -7.0 | -6.0 | dBm |
| Optical Loss Range | 0 | - | 9 | dB |
| RF Impedance | - | 75 | - | Ohms |
| Carrier-to-Noise Ratio | | See Graph | | dB |

System performance specifications indicated for use with 62.5/125 μm multimode fiber.

Carrier-to-Noise Performance



Electrical Characteristics

| Parameter | Min | Typ | Max | Units |
|----------------------------------|------|-----|-------|-------|
| Transmitter Power Supply Voltage | +9.0 | - | +11.0 | VDC |
| Receiver Power Supply Voltage | +9.0 | - | +11.0 | VDC |
| Transmitter Power Supply Current | - | 250 | 270 | mA |
| Receiver Power Supply Current | - | 100 | 110 | mA |

Physical Characteristics

| Parameter | Min | Typ | Max | Units |
|------------|-----|---------------------------------------|-----|-----------|
| Weight | - | 6 170 | - | oz. g |
| Dimensions | - | 3.75 x 2.95 x 1.12 95 x 75 x 29 | - | in. mm |

Environmental Characteristics

| Parameter | Min | Typ | Max | Units |
|-----------------------------|-----|-----|-----|--------------------|
| Operating Temperature Range | +10 | - | +45 | $^{\circ}\text{C}$ |
| Storage Temperature Range | -20 | - | +70 | $^{\circ}\text{C}$ |
| Relative Humidity | 10 | - | 95 | % |