2801 PRO 5 Channel Multimode CATV VSB/AM Video Link

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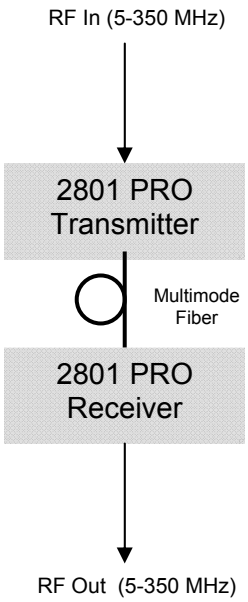
Features

- 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 it 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

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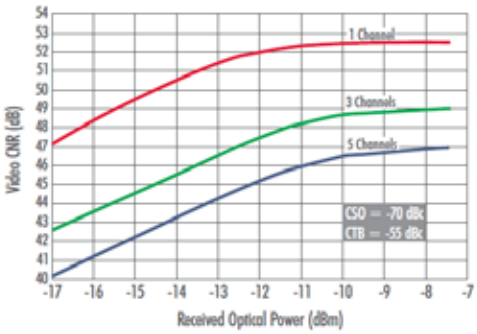
RF and Optical Characteristics

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	^{O}C
Storage Temperature Range	-20	-	+70	^{O}C
Relative Humidity	10	-	95	%

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