2802 PRO 10 Channel Singlemode CATV VSB/AM Video Link

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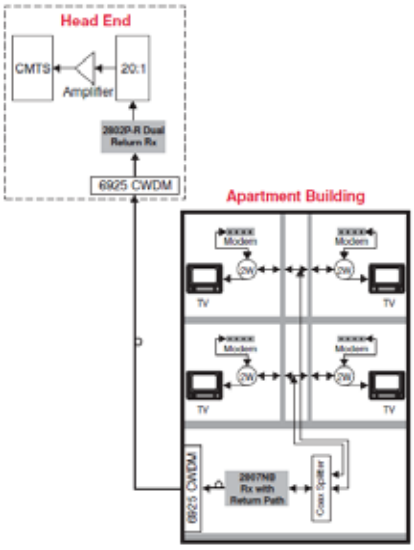
Features

- Able to Transmit Up to 10 CATV Channels Over One Singlemode Fiber
- Supports Transmission of Sub-Band, Low-Band, FM, Mid-Band, and High-Band Channels, Adding Flexibility to the System
- Built in RF Input Level Indicator Aids in Commissioning and Troubleshooting the Link
- Ideal for Use as CATV Return Path Link
- Compatible with Standard Television Industry Voltages and Impedances
- Ideal for Small Corporate TV Video Distribution, Campus Media Retrieval Systems, Tele-Conferencing, and Much More



The 2802 PRO 10 Channel CATV VSB/AM Video Link offers a state-of-the-art solution for high-quality CATV transmission. The 2802 PRO offers exceptional analog bandwidth from 5 to 400 MHz allowing transmission of all sub-band, low-band, FM, mid-band, and high-band channels. This feature allows the system to deliver custom designed video services. In conjunction with a VCR, camcorder, or CATV feed, the 2802 PRO can transmit TV channels and their sound carriers, over a distance of 10 km or more at 1310 nm over one singlemode fiber. The link is ideal for implementing a CATV return path link. The link utilizes inputs from standard CATV VSB/AM modulators, processors, and other ancillary equipment, making the 2802 PRO link an excellent plug-and-play system. LED indicators and built-in RF and optical power meters allow for quick assessment of the link's status.

10 Channel Singlemode Transmitter and Receiver Part Numbers

Description	Part Number
Stand-Alone Transmitter, 1310 nm, FC/APC Optical Connector	2802P-T-1310-FA
Stand-Alone Transmitter, 1310 nm, SC/APC Optical Connector	2802P-T-1310-SA
Stand-Alone Receiver, 1310/1500 nm FC/APC Optical Connector	2802P-R-FA
Stand-Alone Receiver, 1310/1550 nm SC/APC Optical Connector	2802P-R-SA

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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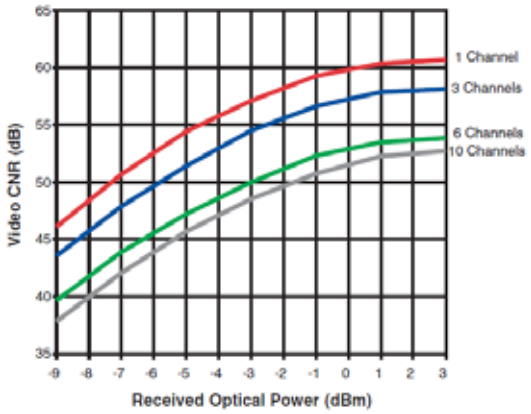
RF & Optical Characteristics

Parameter	Min	Typ	Max	Units
Transmitter Optical Output Power	+2.0	+3.0	+4.0	dBm
Receiver Optical Input Power	-9.0	-	+4.0	dBm
Optical Loss Range	0	-	12	dB
Operating Wavelength	1290	1310	1330	nm
Lower Bandwidth	-	-	5	MHz
Upper Bandwidth	350	400	-	MHz
RF Impedance	-	75	-	Ohms
0 dB Optical Loss	-	+24	-	dB
10 dB Optical Loss	-	+4	-	dB
Composite Triple Beat (CTB)	-	-63	-57	dBc
Composite Second Order (CSO)	-	-70	-65	dBc
Carrier-to-Noise Ratio		See Graph		dB

System performance specifications indicated for use with 9/125 *µm* singlemode fiber.

Carrier-to-Noise Performance:



Electrical Characteristics

Parameter	Min	Typ	Max	Units
Power Supply Voltage		+9		VDC
Transmitter Power Supply Current	-	205	260	mA
Receiver Power Supply Current	-	95	150	mA

Physical Characteristics

Parameter	Min	Typ	Max	Units
Weight (Stand-Alone Tx/Rx)	-	6 170	-	oz. g
Dimensions (Stand-Alone Tx/Rx)	-	5.75 x 2.95 x 1.143 146 x 75 x 29	-	in mm

Environmental Characteristics

Parameter	Min	Typ	Max	Units
Operating Temperature Range	+10	-	+40	^{O}C
Storage Temperature Range	-20	-	+70	^{O}C
Relative Humidity	0	-	95	%

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