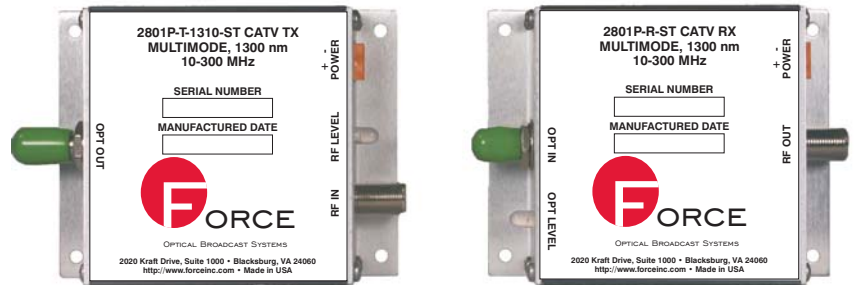


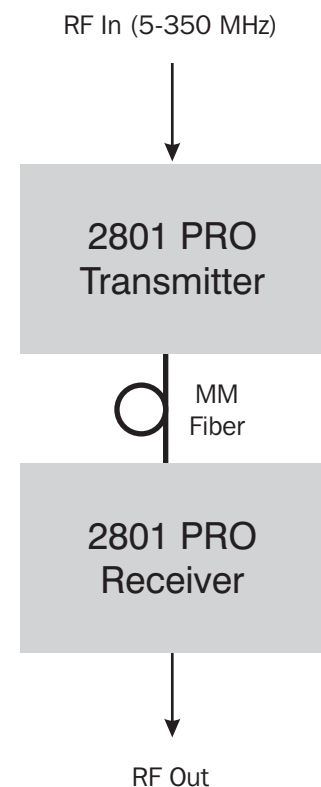
### Multimode CATV Transport

- 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.
- The 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.



*Model 2801 PRO: Stand-alone Transmitter and Receiver*

The Model 2801 PRO 5 Channel CATV VSB/AM video link provides a high-quality system for transferring five video channels per multimode fiber with complete EMI immunity. The use of state-of-the-art 1300 nm LEDs and PIN detectors allows Model 2801 PRO to operate at exceptional performance levels. The unit 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 Model 2801 PRO provides an inexpensive option for transmitting high-quality video, making it an obvious choice for video delivery services using multimode fiber.

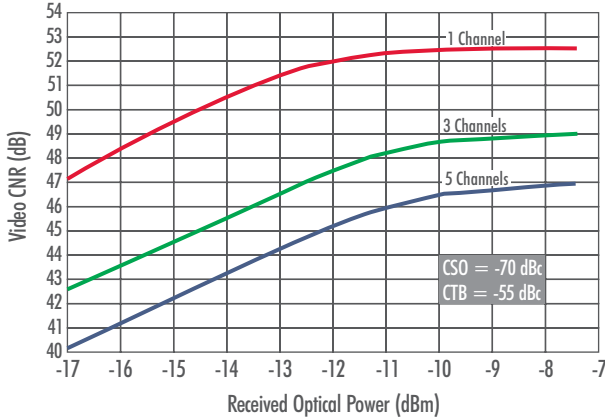


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# Specifications and Ordering Information

## Optical Characteristics\*

	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
Impedance		75		ohms
Carrier-to-Noise Ratio	See Graph Below			



## Electrical Characteristics\*

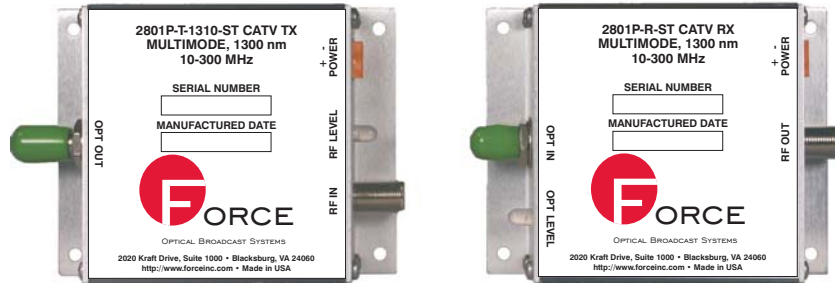
	Min	Typ	Max	Units
Power Supply Voltage (Tx)	+9.0		+11.0	VDC
Power Supply Voltage (Rx)	+9.0		+11.0	VDC
Power Supply Current (Tx)		250	270	mA
Power Supply Current (Rx)		100	110	mA

## Physical Characteristics\*

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

## Environmental Characteristics\*

	Min	Typ	Max	Units
Operating Temp. Range	+10		+45	°C
Storage Temp. Range	-20		+70	°C
Relative Humidity	10		95	%



Model 2801 PRO Transmitter & Receiver

## MM 5 Channel Tx and Rx P/N

2801 PRO Tx and Rx Options	5 Channels
Std.-alone Tx, , 1300 nm, ST	2801P-T-1310-ST
Std.-alone Rx, 1300 nm, ST	2801P-R-ST

\*System performance specifications indicated for use with 62.5/125  $\mu$ m multimode fiber.  
See IOM2801 PRO for complete performance specifications.  
Contact an Applications Engineer or visit our website for complete specifications on rack-mounting and power supply options.

## Rack and P.S. P/N

Accessory Options	Rack Accessories	Power Supplies
Tx Stand-alone P.S. + 9 Volts DC		PS090-1
Rx Stand-alone P.S. + 9 Volts DC		PS090-1
3RU Rack Chassis 3RU Adapter Card	3000CB-NN 3000A-NN-1	
3RU P.S., Universal AC 3RU P.S., -48 Volts DC		3000UA-NN 3000UC-NN

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