



CableServ Return Transmitter for GI AM and BT Series Optical Nodes

Product Description

CableServ® offers a series of Return Path transmitter modules for GI AM and BT Series Optical Nodes.

The Return Transmitters are offered in DFB 1310nm and 1550nm, as well as 1470 to 1610nm ITU CWDM wavelengths.

Applications

- Replacement Return TX Modules.
- Upgrade of Fabry-Perot to DFB return transmitters for launch of Telephony.
- CWDM Modules for multiplexing upstream data on a single fiber.



These high performance return transmitters perform equal to or better than the original manufacturer's products. For Cable Operators launching Telephony, CableServ offers DFB return transmitters that directly replace the original low performance Fabry-Perot devices, offering increased performance.

In traditional data transmission, the overloading of a return transmitter can result in laser clipping and lost data packets forcing a request to re-transmit data. With Digital Telephone Services laser clipping and the resulting lost data packets may result in dropped telephone calls. For this reason many CATV operators are upgrading to better performing DFB return transmitters.

CableServ also offers CWDM (Coarse Wavelength Division Multiplexing) Technology Return Modules. These are an ideal solution when there is no additional fiber at the node, yet the node is required to be segmented. CWDM allows the combining of multiple return paths. The individual node segments are modulated on to individual return lasers and multiplexed onto a single fiber.

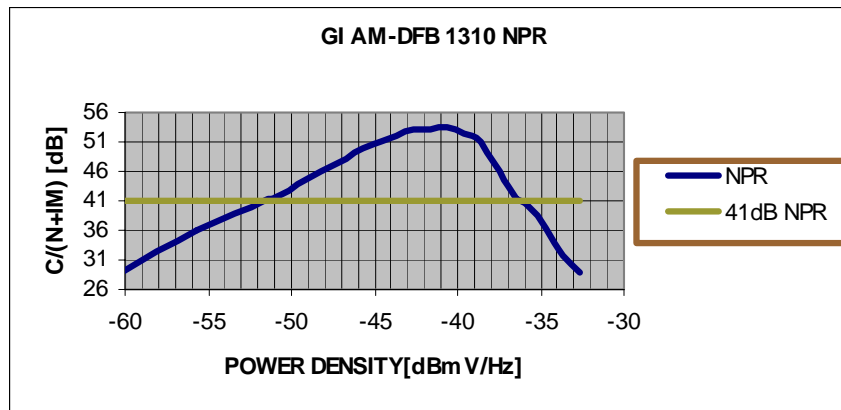
Product Features

- DC Test Point scaled to Transmit Power
- LED Indicators for DC Power and Transmit Power
- Low Power Consumption
- Two-Year CableServ Warranty

CS RTX GI AM-DFB 1310 REVERSE TRANSMITTER			
PARAMETER	Notes	Units	Reverse
Technology			DFB Uncooled
Wavelength (-40 to 85°C)		nm	1310+/-20
Passband		MHz	5-200
Frequency Response		+/-dB	0.75
Input return Loss		dB	-16
Optical Output Power		mW	3
Optical Test Point		VDC	1V/mW
Return Path NPR @ 41 dB C/(N+IM)	1	dB	see plot
Optical Connector			SC/APC
Supply Voltage		VDC	24+/- 0.5
Current draw max		mA	180
Operating Temperature		°C	-40 to +60

Notes:

1. Typical NPR with 4.8 dB Optical Link (10.56 Km Fiber and passives)



PRODUCT NAME	ORDER NUMBER
CS RTX GI AM-DFB 1310	824-008-250-OCE
CS RTX GI AM-DFB 1470	824-008-251-OCE
CS RTX GI AM-DFB 1490	824-008-252-OCE
CS RTX GI AM-DFB 1510	824-008-253-OCE
CS RTX GI AM-DFB 1530	824-008-254-OCE
CS RTX GI AM-DFB 1550	824-008-255-OCE
CS RTX GI AM-DFB 1570	824-008-256-OCE
CS RTX GI AM-DFB 1590	824-008-257-OCE
CS RTX GI AM-DFB 1610	824-008-258-OCE



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