



CableServ Return Transmitter for Philips-C-COR® DNA Series Optical Nodes

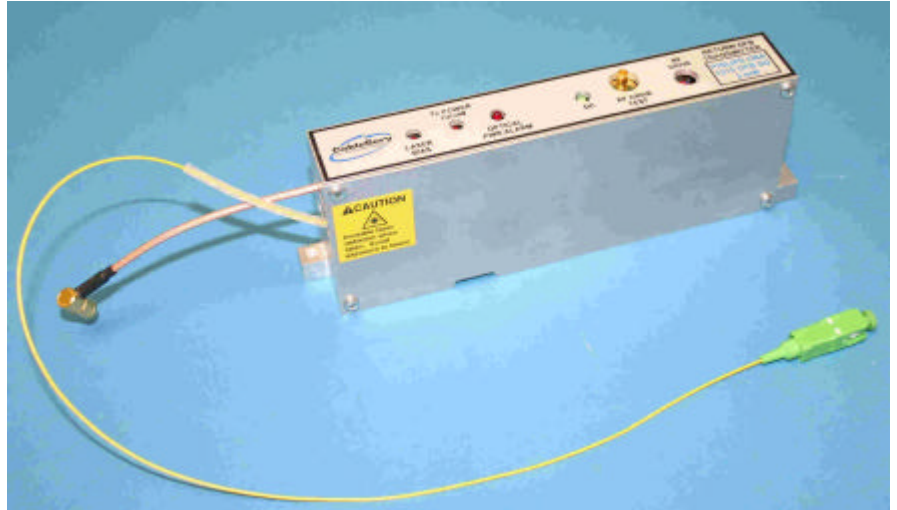
Product Description

CableServ® offers a series of Return Path transmitter modules for Philips C-COR® DNA 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.

CableServ also offers WDM (1310/1550nm Wave Division Multiplexing) and 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

- RF Test Point
- DC Test Point scaled to Transmit Power
- Variable Gain Control
- Laser Bias Test Point
- LED Indicators for DC Power and Transmit Power
- Low Power Consumption
- Two Year CableServ Warranty

PHILIPS DNA DFB NODE RETURN TRANSMITTERS

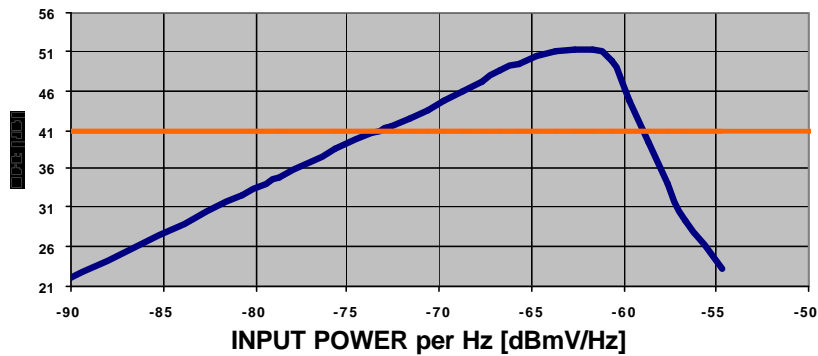
PARAMETER	Notes	Units	Reverse
Technology			DFB Uncooled
Wavelength		nm	1310
Wavelength: WDM Models		nm	1550
Wavelength: CWDM Models (ITU Grid)		nm	1470-1610
Passband		MHz	5-200
Frequency Response		+/- dB	0.5
Input return Loss		dB	-16
Optical Output Power		mW	2, 3
Optical Test Point		VDC	1V/mW
RF Test Point		dB	-9 +/-0.5
Return Path NPR @ 41 dB C/(N+IM)	1	dB	see plot
Optical Connector	2		SC/APC

NOTES:

1. Typical NPR with 10dB Optical Link (21km Fiber and 3dB Passive loss)
2. Other connector types available on special order.

(Generalized specification only: see individual model specific specifications for more detail)

CABLESERV PHILIPS DNA LASER NPR



DESCRIPTION	ORDER NUMBER	PART DESCRIPTION
1310nm DFB 3mW Return Transmitter	824-108-249-0CE	CS RTX PHILIPS DNA 1310 DFB
1550nm DFB 3mW Return Transmitter	824-108-251-0CE	CS RTX PHILIPS DNA 1550 DFB
1470-1610nm Return TX DFB CWDM	824-108-2**-0CE	CS RTX PHILIPS DNA **** CWDM
**CONSULT FACTORY FOR COMPLETE PART NUMBER		SC/APC STANDARD



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