



# CableServ Return Transmitter for Scientific Atlanta® 6920 Series Optical Nodes

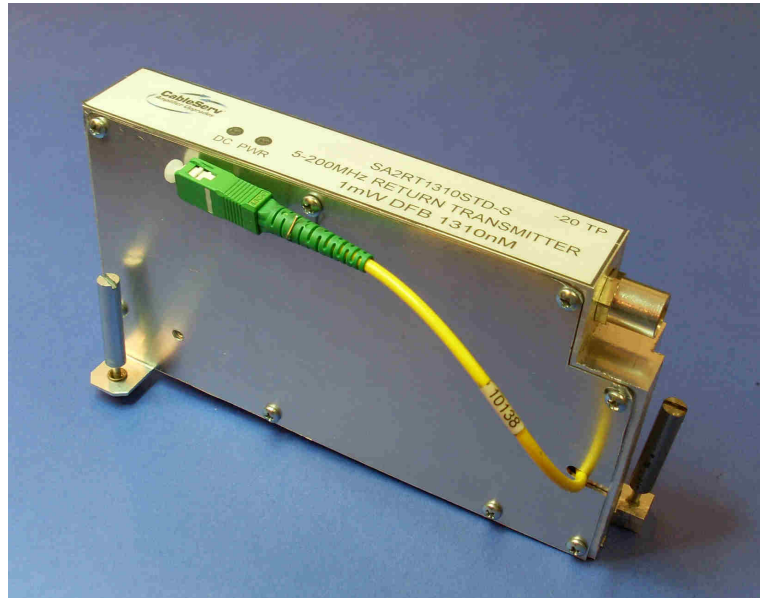
## Product Description

CableServ® offers a series of Return Path transmitter modules for Scientific Atlanta 6920 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. Also offered are High Gain versions, which allow 2:1 Return Segmentation. CableServ Transmitters are footprinted so that a second transmitter module may be installed in an unused Receiver or Status Monitor slot for segmentation.

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

Plug-in Attenuator

LED Indicators for DC Power and Transmit Power

Low Power Consumption

Standard and High Gain Versions

Two Year CableServ Warranty

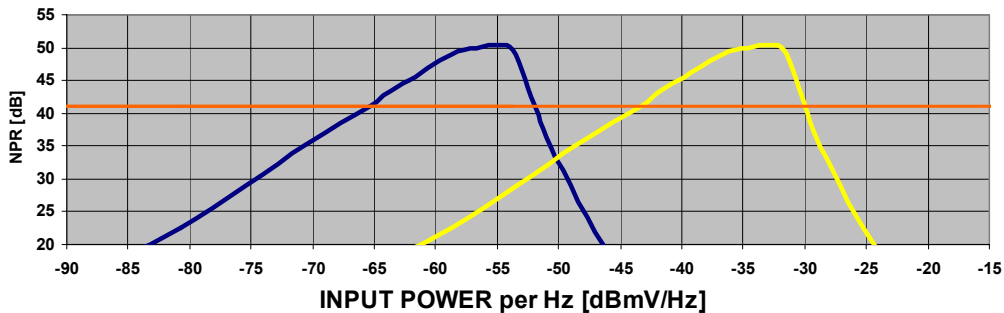
## SA 6920 NODE RETURN TRANSMITTER

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
Optical Test Point		VDC	1V/mW
RF Test Point		dB	-20 +/-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.

### STANDARD AND HIGH GAIN 6920LASER NPR



PRODUCT NAME	ORDER NUMBER
CS RTX SA 6920 1310 DFB SG	824-308-280-OCE
CS RTX SA 6920 1310 DFB HG	824-308-281-OCE
CS RTX SA 6920 1550 DFB SG	824-308-282-OCE
CS RTX SA 6920 1550 DFB HG	824-308-283-OCE
CS RTX SA 6920 1530 CWDM SG	824-308-284-OCE
CS RTX SA 6920 1530 CWDM HG	824-308-285-OCE
CS RTX SA 6920 1550 CWDM SG	824-308-286-OCE
CS RTX SA 6920 1550 CWDM HG	824-308-287-OCE

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