



NRT™ Series Node Return Transmitter

- The NRT™ (Node Return Transmitter) Series offer a drop-in form, fit and function the same as the OEM unit it replaces. It utilizes updated technology and improved optical components to provide vastly superior performance over the best that was available during the original installation
- Optical links close with more headroom using NRT with 3 dBm output level
- Longer 1310 nm links are possible with NRTs providing up to 8 dBm output power levels

Improved flatness, C/N, CSO, and CTB over the original modules and our competitor's modules smooth your move to more return path traffic including VoIP

- Increased bandwidth
- Improved DFB lasers
- Increased power capacity
- Wide range RF AGC
- Low price

Specifications

PARAMETER	MINIMUM PERFORMANCE
Frequency range	5~200MHz
CNR	>45 dB*
CSO	< -48 dBc*
CTB	< -54 dBc*
Flatness 5~50 MHz	± 0.5 dB
5~200 MHz	± 0.75 dB
RF Input range	+ 15 dB
Operating temperature range	110°C (-40°C to +70°C)
Physical size	Per OEM form & fit
Power/Connectors	Per OEM form & fit

Specifications subject to change.

*The use of SC/UPC optical connectors degrades performance by 3dB, typical

Ordering Information

NRT-M1	Motorola/GI Node: Model SG1000
NRT-CC	C-COR FlexNode: Model LN-SM3
NRT-AC	ADC/C-COR ISX: Model 3030, 3040
NRT-BTN	Motorola/GI Mini-Node: Model BTN-B
NRT-DNA	Magnavox/Philips: Model DNA
NRT-HPB	Harmonic PWR Blazer: Model 3841, 3842, 3843, 3844
NRT-SA2	Scientific-Atlanta Node: Model 6920
NRT-SA4	Scientific-Atlanta Node: Model 6940, 6942, Gainmaker

OEM/Model
(see Legend)

Output
00 0 dB out
03 3 dB out
05 5 dB out

Connector/Polish
SC/APC
SC/UPC
FC/APC

Sample Configuration:

C-COR Flex Node
3dB output with
SC/APC Connector
1310nm, DFB Laser
Order NRT
NRTCC-03-SCAPC