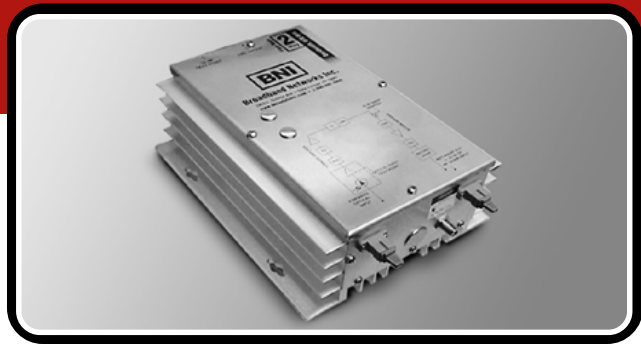




TR2200-870

2-Way Indoor Fiber Node



TR2200-870(x)-xx-N17-xxx Wall Mount
(2RU 19" Rack Mount Available)

Description

BNI's 2-way indoor fiber node is designed to provide extended bandwidth to 870 MHz, high RF output capability, with excellent performance.

This full-featured user-friendly node operates at 1310 or 1550nm, with high receive sensitivity. (-4 to +3dBm) High output capability eliminates the need for distribution amplifiers. Sloped RF levels to 12dB are adjustable with plug-in inter-stage equalizers. Optical input levels are easily monitored by a 10 segment LED and optical test point if optical power meter is not available.

Plug-in single channel 1mW Fabry Perot (FP) optional for return path applications. Plug-in ten channel 2mW Distributed Feedback (DFB) optional for 10 Channel return path applications.

Applications:

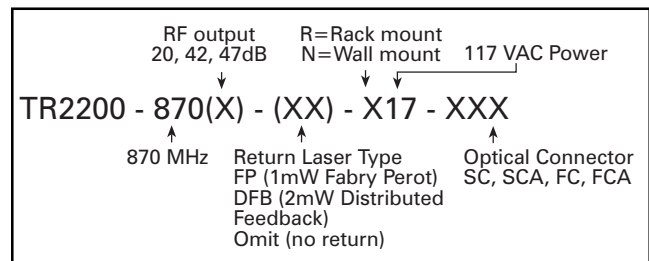
- CATV distribution networks
- Private CATV distribution networks
- Campus networks (Schools, Government buildings, MDU's, Military bases, Hotels, airports etc.)

Features/Benefits

- Extended bandwidth to 870 Mhz
- 2-way capability, optional return path 1mW FP laser, or 2mW DFB laser
- Available in Rack or Wall mount
- High output capability eliminates the need for distribution amplifiers
- Built-in optical LED power meter
- Receive sensitivity from -4 to +3dBm
- Operational at 1310 and 1550nm
- UL approved power transformer
- Meets FCC RFI requirements

Note: Single mode fiber is required for operation of TR2200 Series equipment. Specifications are subject to change for product improvements. 2/03

Ordering Model Information



General

Optical input:	0dBm optimum
Range:	-4 to +3dBm
Wavelength, nm:	1290 to 1600 (single mode fiber only)
Return Laser:	Fabry Perot, (FP) 1mW Power Output
Return Laser:	Distributed Feedback, (DFB) 2mW Power Output
Optical Connector:	SC/PC, SC/APC, FC/PC, FC/APC
Optical Return Loss:	45dB Min.
Bandwidth:	54-870 MHZ Forward 5-42 MHZ Reverse
Frequency Response:	1dB Peak to Valley
RF Output Level :	Available in 20, 42, and 47dBmV (Adjustable with fixed Equalizers and Pads)
RF Test Point:	-30dB
Return Loss:	18dB Minimum
RF Connector type:	Housing entry type "F" 5/8 X 24 thread
Operating Temp:	10-50 Degrees C
AC Power:	120VAC to 260 VAC , 50/60 Hz, 50VA max
Power Dissipation:	32 Watts
Dimensions:	9.125" x 7.0" x 3.56" Wall 2 RU 19" x 3.5" x 3.4 " Rack
Shipping Weight:	7.5 lbs.