



## QFNJ Fiber Node Amplifier:

### Features:

- ▶ 200 MHz, 870 MHz & 1 GHz 1-way models
- ▶ Forward optical input detector will accept 1310nm or 1550nm laser inputs at a nominal 0 dBm light level for best RF performance

### QFNJ200

- ▶ Designed to receive reverse signals in the headend hub

### QFNJ870 & QFNJ1000

- ▶ Cost-effective, 1-way node used in receive locations where sloped output level &/or gain adjustment is not required
- ▶ Basic receiver with fiber input & RF output
- ▶ Housing provides efficient thermal capability & stringent RFI shielding
- ▶ Operates safely at ambient temperatures of +120°F (+48°C)
- ▶ Meets FCC CLI regulations
- ▶ External Class II UL approved power transformer

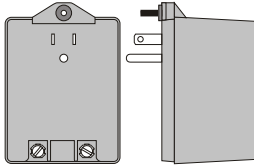


## QFNJ Specifications

SPECIFICATIONS	1-WAY		
	QFNJ Si PP	1000 MHz GaAs	
BANDWIDTH	5-200 MHz	5-870 MHz	40-1000 MHz
FREQUENCY RESPONSE	+/- 0.5 dB	+/- 0.5 dB	+/- 0.5 dB
CHANNEL LOADING	26	77	77
GAIN CONTROL RANGE	n/a	n/a	n/a
SLOPE CONTROL RANGE	n/a	n/a	n/a
GAIN	n/a	n/a	n/a
OUTPUT LEVELS	26	26	31
DISTORTIONS	COMP. TR. BT. (-dB)	107	94
	COMP. 2nd ORD. (-dB)	91	84
CARRIER-TO-NOISE RATIO (dB)	53	53	53
RETURN LOSS (Worst Case)	15 dB	15 dB	15 dB
DC AMPERES @ 24 VDC	0.2	0.22	0.22
POWER DISSIPATION (Watts) <sup>(1)</sup>	7	9	9
OPERATING TEMPERATURE	0°C to +50°C (+32°F to +122°F)		
HUMIDITY	20%-55% (without condensation)		
DIMENSIONS	4.8"H x 5.0"W x 2.28"D (12.19H x 12.7W x 5.79D cm)		
WEIGHT	1.3 lbs (0.59 kg)		
<b>NOTES:</b>			
All forward node specifications are based on 1 mW (0 dBm) optical power input with 3.7% OMI per channel.			
(1) Power dissipation is measured at 120 VAC. Multiple gain models show minimum specifications, call for exact data.			

## QFNJ Fiber Node Amplifier:

### Ordering Information

<b>Example Part Number: QFNJ200 A 26 1W</b>	
	1 2 3
1: Bandwidth: 1000 = 1000 MHz 870 = 870 MHz 200 = 200 MHz	
2: Connector Type: A = SC/APC F = SC/UPC	
3: Output Level (See Specifications Table)	
Part Number	Description
Options & Spares	
DTS240250UC-P5-ET	External Universal AC Power Supply, 100-240 VAC, 47-63 Hz Input, 24 VDC Output
#951	120 to 26 VAC, 60 Hz AC Power Transformer, 50 VA Rating
<p>#951 Transformer</p> 	

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Specifications subject to change without notice.

