



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



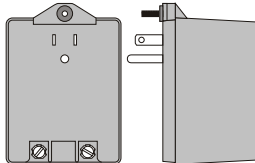
QFNJ Specifications

SPECIFICATIONS	1-WAY		
	QFNJ Si PP	1000 MHz GaAs	
BANDWIDTH	5 to 200 MHz	5 to 870 MHz	40 to 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 (dB)	53	53	53
RETURN LOSS (Worst Case)	15 dB	15 dB	15 dB
DC AMPERES @ 24 VDC	0.20	0.22	0.22
POWER DISSIPATION (Watts) ⁽¹⁾	7	9	9

NOTES:
 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

Example Part Number: QFNJ200 A 26 1W	
$\begin{array}{ccc} & \underline{1} & \underline{2} & \underline{3} \\ & 1 & 2 & 3 \end{array}$	
1: Frequency Range: 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	
EPS 267-ND	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> 	
Shipping Weight	1.3 lbs (0.59 kg)
Dimensions	2.28"H x 5.01"W x 4.8"D (5.79H x 12.73W x 12.19D cm)

Specifications subject to change without notice.

