





**Fiber Optic Products** 



## **QFON Fiber Nodes:**

#### **Features:**

- ▶ 1-way, 1RU fiber node
- ▶ Available in gains up to 48 dBmV output
- ▶ Variable gain & tilt controls
- Available in GaAs power-doubled output
- ▶ Utilizes external Class II, 120 to 26 VAC, 60 Hz UL power transformer
- Additional DC powering ports (+24 VDC) provided for applications requiring alternate or backup power
- UL transformer & +24 VDC powering

#### **QFON 350 MHz Version**

- ▶ 5-350 MHz version available in push-pull silicon technology
- > Offers RF output levels suitable for a limited number of devices typically used for reverse path signals
- Unit uses a 20 dB variable output level control
- Equalization or slope not provided

#### **QFON 870 MHz Version**

- ▶ 54-870 MHz version available in silicon push-pull, silicon power-doubled, or GaAs power-doubled RF output technology
- Offers RF output levels up to 48 dBmV
- A lower gain 24 dBmV output version is available for driving limited number of distribution ports
- All units have variable gain & slope output RF controls





# **QFON Fiber Nodes:**

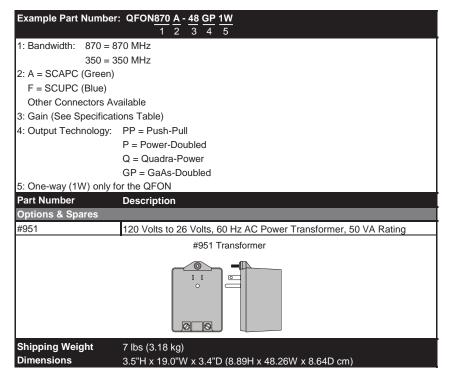
### **QFON Specifications**

SPECIFICATIONS	5 to 350 MHz	54 to 870 MHz			
FREQUENCY RESPONSE	+/- 0.5 dB	+/- 0.5 dB			
CHANNEL LOADING	22	77			
GAIN CONTROL RANGE	20 dB	10 dB			
SLOPE CONTROL RANGE	n/a	10 dB			
RF GAIN	n/a	n/a			
TECHNOLOGY	Si PP	Si PP	Si PD	GP	
RF OUTPUT LEVELS <sup>(1)</sup>	26	24	40	48	
OPTICAL INPUT LEVEL RANGE		-4 to +3 dBm			
COMP. TR. BT. (-dB)	115	94	72	82	
COMP. 2nd ORD. (-dB)	91	84	70	77	
CARRIER-TO-NOISE RATIO	53 dB	53 dB	53 dB	53 dB	
RETURN LOSS (Worst Case)	14 dB	14 dB	14 dB	14 dB	
DC AMPERES @ 24 VDC	.22	.22	.66	.66	
POWER DISSIPATION (Watts) <sup>(2)</sup>	9	9	27	27	
NOTES: All node specifications are based on 1 mW ((	, , , , ,		•		

(1) Output levels of 48 are recommended to use a 9 dB sloped output referenced from 54 MHz to 870 MHz.

(2) Power dissipation is measured at 120 VAC.

# **Ordering Information**



Specifications subject to change without notice.



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