



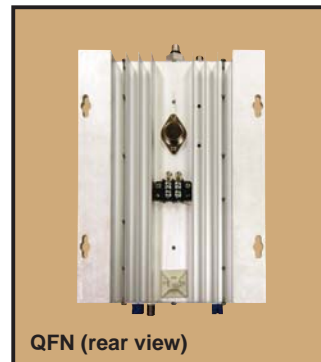
QFN Fiber Node:

Features:

- ▶ Power-doubled GaAs technology
- ▶ One-way or two-way models
- ▶ Optional integrated WDM mux can be used in conjunction with the QFRL/DFB15-23 (1550nm 2.5mW laser) in order to facilitate bidirectional communications on a single fiber
- ▶ 10 segment LED power meter located under cover
- ▶ Universal power options
- ▶ 5/8" hardline fitting on select models
- ▶ Choice of fixed or variable controls



QFN (front view)



QFN (rear view)

QFN Specifications

SPECIFICATIONS	ONE-WAY	TWO-WAY		RETURN LASERS				
	QFN GP	QFN GP		1310nm DFB	1550nm DFB	1310nm FP		
BANDWIDTH (MHz)	5 - 870	54 - 870 or 1000		5 to 42	5 to 42	5 to 42		
FREQ. RESPONSE (dB)	-0.5	-0.5		-0.25	-0.25	-0.25		
CHANNEL LOADING	77	77		4	4	1		
GAIN CONT. RANGE	N/A	PAD		PAD	PAD	PAD		
SLOPE CONT. RANGE	N/A	EQ		EQ	EQ	EQ		
GAIN	N/A	N/A		23	23	23		
OUTPUT LEVELS	48	40	44	49 ⁽¹⁾	2 mw	2 mw	1 mw	
DISTORTIONS	Comp. Tr. Bt. (-dB)	74	82	74	66	N/A	N/A	N/A
	Comp. 2nd Ord. (-dB)	73	77	73	66	> 65	> 65	Typ. 49
CARRIER TO NOISE (dB)	53	53	53	53	N/A	N/A	N/A	
RETURN LOSS (dB) WORST CASE	15	15	15	15	15	15	15	
DC AMPERES @ 24 VDC	0.66	0.66	0.66	0.66	0.18	0.18	0.18	
POWER DISSIPATION (Watts) ⁽³⁾	27	27	27	27	7	7	7	

NOTES:

- All forward node specifications are based on 1 mW (0dBm) optical power input with 3.7% OMI per channel.
- (1) Output levels of 49 dBmV with 112 analog channel loading are suitable for end-of-line usage using 10 dB sloped output referenced from 54 MHz to 870 MHz.
 - (2) Return laser specification is for discrete 2nd order beats, not composite second order.
 - (3) Power dissipation is measured at 120 VAC. Multiple gain models show minimum specifications, call for exact data.

