

MAXNET®

L-Band Signal Management

Patented
U.S.# 6,842,348;
Cdn.# 2,404,844



5RU Active L-Band Chassis
(front view)

Active Products

Amplifier:

L-Band Amplifier Specifications

PART NUMBER	GAIN SPECIFICATIONS					RETURN LOSS						24 VDC INPUT (mA)	DISTORTIONS			RECOM. MAX. COMP. OUT. LEVEL		NOISE FIGURE (dB)	REV. ISO.	PWR. PASS @ 28V (mA)
	950 MHz (dB)	1800 MHz (dB)	2150 MHz (dB)	Flat, ⁽²⁾ (±dB)	T.P. IL ⁽¹⁾ (20±dB)	INPUT (MHz)			OUTPUT (MHz)				OUTPUT IP _{1dB}		950 MHz (dBm)	2150 MHz (dBm)				
						950-1450 (>-dB)	1450-1750 (>-dB)	1750-2150 (>-dB)	950-1450 (>-dB)	1450-1750 (>-dB)	1750-2150 (>-dB)		950 MHz	2150 MHz						
QMNL1-12B	10	11	12	0.2	1.0	14	12	8	16	15	10	42	21	17	12	8	3	20	500	
QMNL2-12B	10	11	12	0.2	1.0	14	12	8	16	15	10	84	21	17	12	8	3	20	500	
QMNL1-12F	10	11	12	0.2	1.0	15	14	10	16	15	10	42	21	17	12	8	3	20	500	
QMNL2-12F	10	11	12	0.2	1.0	15	14	10	16	15	10	84	21	17	12	8	3	20	500	

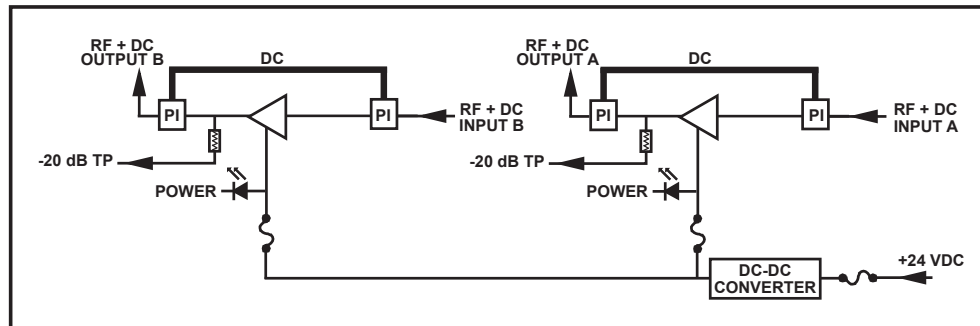
NOTES:

- (1) All front test points are F connectors.
- (2) As measured over any consecutive 24 MHz Bandwidth.
- F connector mating center conductor diameter: .025" - .042".

Ordering Information

Part Number	Description
QMNL1-12B	12 dB L-Band Amplifier, Power Passing, BNC Connectors
QMNL2-12B	Dual 12 dB L-Band Amplifiers, Power Passing, BNC Connectors
QMNL1-12F	12 dB L-Band Amplifier, Power Passing, F Connectors
QMNL2-12F	Dual 12 dB L-Band Amplifiers, Power Passing, F Connectors

Functional Schematic



Amplifier

Specifications subject to change without notice.
MAXNET specifications are only valid when ATX
plug-in pads & EQs are used.



ISO
9001
REGISTERED