

L-Band Signal Management

L-Band Satellite splitter Modules(950 MHz to 2.15GHz):

The L-Band series satellite splitter modules are engineered for high performance in the 950 MHz to 2.15 GHz frequency range. These plain splitter/combiner modules feature dual-port power passing capability for powering LNB's. All L-Band modules are available with precision F or BNC connectors, and are NEBS Level 3 compliant.



L-Band Module Specifications

L-BAND MODULE SPECIFICATIONS*	
PHYSICAL	
DIMENSIONS	8.5"H x 0.8"W x 3.8"D(21.6H x 2.0W x 9.7D cm)
WEIGHT	1.4lbs(0.6kg)
ENVIRONMENTAL	
OPERATING TEMPERATURE	0°C to +50°C (+32°F to +122°F)
STORAGE TEMPERATURE	-40°C to +70°C (-40°F to +158°F)
STORAGE HUMIDITY	20-90% Non-condensing
ELECTRICAL	
DC POWER (Pass Through)	24VDC at 1 Amp Max

IMPEDANCE	75Ω
FREQUENCY RANGE OF OPERATION	950-2150MHz
EMI(Near Field)	-100Db Min
EMI-RADIATED&CONDUCTED EMISSIONS CISPR22	Class A

NOTE:

*Unless otherwise stated by module specific table

L-Band Satellite Splitter Specifications

SPECIFICATIONS		HN-MLF18/ HN-MLB18	HN-MLF18/ HN-MLB18	HN-MLF18/ HN-MLB18
MEASUREMENT	FREQUENCY	8-WAY(dB)	2-WAY(dB)	2-WAY(dB)
INSERTION LOSS	950-1450MHz	10.3±0.5	3.7±0.5	3.7±0.5
	1450-1750MHz	10.6±0.5	3.7±0.5	3.7±0.5
	1750-2150MHz	11±0.5	3.9±0.5	3.9±0.5
RETURN LOSS(Min)	950-1450MHz	18	18	18
	1450-1750MHz	16	18	18
	1750-2150MHz	16	16	16
RETURN LOSS(Min) COMMON PORT	950-1450MHz	17	17	17
	1450-1750MHz	17	17	17
	1750-2150MHz	16	16	16
ISOLATION(Min) ADJACENT PORTS	950-1450MHz	20	20	20
	1450-1750MHz	20	20	20
	1750-2150MHz	20	20	20

L-Band Satellite Splitter Modules (950MHz to 2.15GHz):

L-Band Satellite Circuit Splitter Specifications

SPECIFICATIONS		HN-MLF24/ HN-MLB24	HN-MLF32/ HN-MLB32
MEASUREMENT	FREQUENCY	4-WAY(dB)	2-WAY(dB)
INSERTION LOSS	950-1450MHz	6.8±0.5	3.7±0.5
	1450-1750MHz	6.8±0.5	3.7±0.5
	1750-2150MHz	7.1±0.5	3.9±0.5
RETURN LOSS(Min)	950-1450MHz	18	18
	1450-1750MHz	18	16
	1750-2150MHz	16	16
RETURN LOSS(Min) COMMON PORT	950-1450MHz	17	17
	1450-1750MHz	17	17
	1750-2150MHz	16	16
ISOLATION(Min) ADJACENT PORTS	950-1450MHz	20	20
	1450-1750MHz	20	20
	1750-2150MHz	20	20
ISOLATION(Min) ADJACENT CIRCUITS	950-1450MHz	70	70
	1450-1750MHz	70	70
	1750-2150MHz	70	70

Ordering Information

Example Part Number: HN-MLB 12
 1 2

1: Connector Type: F=F
B=BNC

2: Configuration: 12=2:1
14=4:1
18=8:1
24=2x4:1
32=3x2:1

Part Number	Description
L-Band Satellite Splitter Modules	
HN-MLB12	BNC Connector,2:1 Splitter
HN-MLB14	BNC Connector,4:1 Splitter
HN-MLB18	BNC Connector,8:1 Splitter
HN-MLB24	BNC Connector,2x4:1 Splitter
HN-MLB32	BNC Connector,3x2:1 Splitter
HN-MLF12	F Connector,2:1 Splitter
HN-MLF14	F Connector,4:1 Splitter
HN-MLF18	F Connector,8:1 Splitter
HN-MLF24	F Connector,2x4:1 Splitter
HN-MLF32	F Connector,3x2:1 Splitter

NOTES:

*Housed in a single module.

All L-Band modules feature dual port power passing capability.

Functional Schematics

