

LPR SPLITTER SERIES

Versatile small form factor planar circuit splitters with customized enclosures offer compact optical management.

DESCRIPTION

Lindsay Broadband's Tough planar lightwave circuit (PLC) splitters are an optical power management device that is fabricated using silica optical waveguide technology. The Rack Mount Optical Splitter Series is a 19" Rack Mount Chassis, 1RU for 1x2 up to 1x32 splitter configurations, 2RU for 2x32 to 2x64 splitter configuration. High reliability, wide operating wavelength range and good channel-to channel uniformity. Widely used in PON networks. Lindsay Broadband provides a whole series of 1XN and 2XN splitter products that are tailored for specific applications.

RACK MOUNT PLC OPTICAL SPLITTER



FEATURES

- Low Insertion Loss
- Low PDL
- 19" Rack Mount
- Good Channel-to-Channel uniformity
- Wider Operating Wavelength from 1260nm to 1650nm
- Wide Operating Temperature from -40 °C to 85 °C (-40 °F to 185 °F)
- High Reliability and Stability
- Flexible Packaging Options
- Meets GR-1209-CORE and GR-1221-CORE and RoHS requirements

SPECIFICATIONS

1xN, 2xN PLC Splitter Module

Parameters	1x2	2x2	1x4	2x4	1x8	2x8	1x16	2x16	1x32	2x32	1x64	2x64
Operating Wave Length (nm)	1260 ~1650											
Insertion loss (dB) (P/S Grade)	3.8/ 4.0	4.0/ 4.2	7.1/ 7.3	7.6/ 7.8	10.2/ 10.5	11.0/ 11.2	13.5/ 13.7	14.4/ 14.6	16.5/ 16.9	17.5/ 17.9	20.5/ 21.0	21.0/ 21.5
Loss Uniformity (dB)	0.4	0.9	0.6	1.1	0.8	1.2	1.2	1.5	1.5	2.0	2.0	2.2
Return Loss (dB) (P/S Grade)	55											
Polarization Dependent Loss (dB)	0.2	0.2	0.2	0.2	0.2	0.3	0.25	0.3	0.3	0.4	0.4	0.4
Directivity (dB)	55											
Wavelength Dependent Loss (dB)	0.5	0.5	0.5	0.5	0.5	0.5	0.8	0.8	0.8	0.8	1.0	1.0
Temperature Stability (-40~80°C) (dB)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Operating Temperature (°C)	-40 ~ 85											
Storage Temperature (°C)	-40 ~ 85											
Rack Mount Dimension (mm) (WxDxH)	483 x 150 x 45									483 x 150 x 90		
Notes												
1. specified without connectors												
2. Add an additional 0.15dB loss per connector												

Ordering Information

LPR	-	xxx	-	xx	-	xx	-	x
		Port Configuration		Module Type		Input Connector		Output Connector
L=Lindsay		102=1x2		19 = 19" Rack Mount		0= none		0 = none
P=PLC Splitter		104= 1x4				1=FC/UPC		1=FC/UPC
R=Rack Mount		108= 1x8				2=FC/APC		2=FC/APC
					3=SC/UPC		3=SC/APC
		164=1x64				4=SC/APC		4=SC/APC
		202=2x2				5=LC/UPC		5=LC/UPC
					6= LC/APC		6= LC/APC
		264= 2x64				x= customized		x=customized

* Specifications subject to change without prior notice.

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