RACK MOUNTED SPLITTER

Planar Lightwave Circuit (PLC) Splitters are built using unique silica glass waveguide process. These devices have low insertion loss with high return loss over a wide wavelength range. The input of PLC Spitters distribute optical power to the output ports and are commonly used in FTTx systems, communication networks, Analog Passive Optical Networks, CATV networks and other fiber optic systems. Rack mounted splitter provides 19 inch frame, which is compatible with industry standard 19” racks in the central office. The metal housing can provide solid protection of splitters inside. The modular design can also save installation time to realize quick deployment.

Features

- Low Insertion loss & High Return Loss
- Low PDL
- Good channel-to-channel uniformity

- Wide Operating Wavelength Range 1260~1650nm
- Wide Operating Temperature: From -40℃ to 85℃
- Standard 19inch 1U & 2U design, compatible with industry standard equipment frame, 19" Rack
- High quality cold rolled steel sheet with electrostatic coating

Applications

- FTTX Systems
- PON Networks
- CATV Links
- Optical Signal Distribution

Compliance

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- IEC 61300
- RoHS

Specifications

Parameters		1x2	1x4	1x8	1x16	1x32	1x64
Operating Wavelength(nm)		1260~1650					
Insertion Loss (dB)	Typical	3.6	6.8	10.0	13.1	16.2	20.0
	Max	3.8	7.2	10.5	13.6	16.5	20.5
Uniformity (dB)	Typical	0.3	0.4	0.5	0.6	0.8	1.2
	Max	0.4	0.6	0.8	1.2	1.5	2.5
PDL (dB)	Typical	0.1	0.1	0.15	0.15	0.15	0.2
	Max	0.2	0.2	0.3	0.3	0.3	0.4
Return Loss (dB)	Min	55(w/o connector or APC), 50(PC)					
Directivity (dB)	Min	55					
Fiber Type		ITU-T G657A1 or customer specified					
Connector Type		SC, LC or FC					
WDL (dB)	Typical	0.2	0.2	0.2	0.3	0.3	0.3
	Max	0.3	0.3	0.3	0.5	0.5	0.5
TDL (dB) (-40~85℃)	Typical	0.2	0.2	0.2	0.3	0.3	0.3
	Max	0.4	0.4	0.4	0.5	0.5	0.5
Operating Temperature (℃)		-40~85					
Storage Temperature (℃)		-40~85					
Rack Mounted Splitter Size(mm)		483x250x44 (1U)					483x250x 88 (2U)

Notes: 1. Measurements are done at 1310 & 1550nm, room temperature. Connector loss is excluded in the above specifications. Add 0.4dB IL if two connectors are added on input and output.

Packing