



1xN 2xN PLC Splitter Modules

Introducing range of high performance splitters loaded into a variety of management products to include 19" rack mounted panels and modules. A move toward PON's within the FTTX arena calls for a device offering low insertions loss, linear uniformity and low return loss, our splitters provide excellent specifications on all of the above as well as complying to and exceeding Telcordia GR-1221-CORE and GR-1209-CORE standards.

Features

- Designed to meet Telcordia standards
 - Non-standard housing options available
 - Low IL and PDL
 - Broadband Operation Wavelength Low Insertion Loss
 - Compact Design
 - Good channel to channel uniformity
 - High Reliability and Stability
 - Range of packaging options available
 - High specification connectors available
 - RoHS Compliance
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Applications

- Telecommunication Sector
- PON System
- FTTx
- CATV
- Video Transmission
- WAN's

Specifications

ELEMENT	VALUE	1X4	1X8	1X16	1X32	1X64	2X4	2X8	2X16	2X32
Operating Wavelength	nm	1260~1650								
Insertion Loss without connector	≤dB Max	7.40	10.70	13.70	17.0	21.0	7.80	10.70	14.0	17.50
Insertion Loss with connector	≤dB Max	7.90	11.20	14.20	17.50	21.50	8.30	11.0	14.30	17.80
Loss Uniformity	≤dB	0.60	0.90	1.20	1.70	2.50	0.90	1.0	1.20	1.50
Polarization Dependent Loss	≤dB	0.20	0.30	0.30	0.30	0.40	0.20	0.25	0.30	0.30
Return Loss	dB Min	50								
Directivity	dB Min	55								
Operating Temperature	°C	-40 ~ +85								
Storage Temperature	°C	-40 ~ +85								
Fibre Type		G652.D or G657.A1/A2								
Fibre Length		1 meter or customer specified								
Connector Type		Customer specified								

Notes:

(1) All measurements were performed at room temperature, at wavelength 1310nm & 1550nm.

(2) Coupling losses at the interfaces between the splitter chip and I/O fibres are included.

Ordering Information

	Input Connector		Output Connector		Fibre Type		Wavelength		Configuration Type		Package Style	
OM1	X	None	X	None	9	G.652D	1	Broadband 1260 -1650nm	102	1x2	1U	1U 19"
	0	LC	0	LC	A1	G.657A1	2	1310nm / 1550nm	104	1x4	2U	2U 19"
	1	LCA	1	LCA	A2	G.657A2	3	1310 / 1490 / 1550nm	108	1x8	3U	3U 19"
	2	SC	2	SC					116	1x16		
	3	SCA	3	SCA					132	1x32		
	4	ST	4	ST					164	1x64		
	5	FC	5	FC					202	2x2		
	6	FCA	6	FCA					204	2x4		
	7	E2	7	E2					208	2x8		
	8	E2A	8	E2A					216	2x16		
									232	2x32		
									264	2x64		
									264	2x64		

Example order code

OM1	-	33	91	-	232	-	1U
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2 X 32 PLC Splitter module 1U Patch Panel with SCA Connectors