

1xN and 2xN PLC Splitter Modules

V.3.2

Description

FibreFab has introduced a range of high performance splitters loaded into a variety of management products to include 19" rack mounted panels and LGX modules. A move toward PON's within the FTTX arena calls for a device offering low insertions loss, linear uniformity and low return loss, FibreFab 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/Benefits

- ▶ **Designed to meet Telcordia standards**
- ▶ **Non-standard housing options available**
- ▶ **Low IL and PDL**
- ▶ **Excellent uniformity**
- ▶ **Range of packaging options available**
- ▶ **High specification connectors available**

Applications

- ▶ **FTTX deployments**
- ▶ **CATV networks**
- ▶ **PON's**
- ▶ **WAN's**



Technical Specification

Parameters		1x4	1x8	1x16	1x32	1X64	2x4	2x8	2x16	2x32	
Operating Wavelength (nm)		1260~1650									
Insertion Loss without connector (dB) ^(1,2)	Max	7.4	10.7	13.7	17	21	7.8	11.4	14.9	18	
Insertion Loss with connector (dB)	Max	7.9	11.2	14.2	17.5	21.5	8.3	11.9	15.4	18.5	
Loss Uniformity (dB)	Max	0.6	0.9	1.2	1.7	2.5	1.5	1.5	2	2.5	
Polarization Dependent Loss (dB)	Max	0.2	0.3	0.3	0.3	0.4	0.2	0.4	0.4	0.4	
Return Loss (dB)	Min	50									
Directivity (dB)	Min	55									
Fibre Type		G652.D or G657.A									
Fibre Length (m)		1.2(±0.1) 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.

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Part Number Generator

Type	Configuration		Wavelength	Package Style		Input Connectors	Output Connectors	Fibre Type				
PSM												
PLC Splitter Module	102	1x2	A	1310/1550nm	A	1U 19" fixed	A	None	A	None	D	G652D
	104	1x4	B	1310/1490/1550nm	B	2U 19" fixed	B	E2000/UPC	B	E2000/UPC	A	G657A
	108	1x8	C	Broadband 1260-1625nm	C	3U 19" fixed	C	E2000/APC	C	E2000/APC		
	116	1x16			D	1U 19" sliding	D	FC/UPC	D	FC/UPC		
	132	1x32			E	2U 19" sliding	E	FC/APC	E	FC/APC		
	164	1x64			F	3U 19" sliding	F	LC/UPC	F	LC/UPC		
	202	2x2			G	1U LGX	G	LC/APC	G	LC/APC		
	204	2x4			H	2U LGX	H	MU/APC	H	MU/APC		
	208	2x8			I	3U LGX	I	MU/UPC	I	MU/UPC		
	216	2x16			J	1U pivot	J	SC/UPC	J	SC/UPC		
	232	2x32					K	SC/APC	K	SC/APC		
	264	2x64					L	ST/UPC	L	ST/UPC		

Example Part Number

PSM 1x16 A A G G D

This part number generator has created a:

1x16, 1U 19" fixed panel with LC/APC connectors, using G652D fibre

