

## 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 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

- 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

### 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.

### Ordering Information

PSM	Configuration		Wavelength		Package Style		Input Connectors		Output Connectors		Fibre Type			
	Code	Dimensions	Code	Wavelengths	Code	Description	Code	Description	Code	Description	Code	Description		
	102	1 x 3	A	1310nm / 1550nm	A	1U 19" fixed	A	None	A	None	D	G652D		
	104	1 X 4	B	1310 / 1490 / 1550nm	B	2U 19" fixed	B	E2000/UPC	B	E2000/UPC	A	G657A		
	108	1 x 8	C	Broadband 1260-1650nm	C	3U 19" fixed	C	E2000/APC	C	E2000/APC				
	116	1 x 16			D	1U 19" sliding	D	FC/UPC	D	FC/UPC	D	FC/UPC		
	132	1 x 32			E	2U 19" sliding	E	FC/APC	E	FC/APC	E	FC/APC		
	164	1 x 64			F	3U 19" sliding	F	LC/UPC	F	LC/UPC	F	LC/UPC		
	202	2 x 2			G	1U LGX	G	LC/APC	G	LC/APC	G	LC/APC		
	204	2 x 4			H	2U LGX	H	MU/APC	H	MU/APC	H	MU/APC		
	208	2 x 8			I	3U LGX	I	MU/UPC	I	MU/UPC	I	MU/UPC		
	216	2 x 16			J	1U pivot	J	SC/UPC	J	SC/UPC	J	SC/UPC		
	232	2 x 32					K	SC/APC	K	SC/APC	K	SC/APC		
	264	2 x 64					L	ST/UPC	L	ST/UPC	L	ST/UPC		

### Example Part Number

PSM	116	A	A	G	G	D
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This part number has created a 1x16, 1U 19" fixed panel with LC/APC connectors, using G652D fibre.