

Compact 900um PLC Splitter

Introducing a range of highly reliable, high performance compact splitters. The compact splitter is specifically design to remove the need for a ribbon fibre to 900µm fibre Fan-Out unit, with the 900µm cable exiting directly from the PLC housing



Features

- Designed to meet Telcordia standards
- Compact housing design for small space applications
- Low IL and PDL
- Excellent uniformity
- High specification connectors available

Specification

PARAMETERS	1X2	1X4	1X8	1X16	1X32	2X4	2X8	2X16	2X32
Insertion Loss (MAX, dB)	3.8	7.2	10.5	13.5	16.5	7.5	11.2	14.2	17.4
Loss Uniformity (MAX, dB)	0.4	0.6	0.8	1.2	1.5	1.2	1.5	1.8	2
PDL (MAX, dB)	0.2	0.2	0.3	0.3	0.3	0.2	0.4	0.4	0.4
Return Loss (dB)	55	55	55	55	55	55	55	55	55
Directivity (dB)	55	55	55	55	55	55	55	55	55
Temperature Range (°C)	-40 + 85								
Fibre Type	G652.D or G657.A								
Fibre Length	1.2(±0.1) or customer specified								
Connector Type	Customer specified								
Dimensions									
Length (mm)	60	60	60	60	80	60	60	80	100
Width (mm)	7	7	7	12	20	7	7	12	20
Height (mm)	4	4	4	5	6	4	4	5	6

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

PCS	Configuration		Wavelength		Cable Type	Input Connectors		Output Connectors		Fibre Type		Lead Length Input		Lead Length Output		
	Code	Ratio	Code	Range		Code	Ratio	Code	Ratio	Code	Ratio	Code	Ratio	Code	Ratio	
	102	1 x 2	A	1310nm / 1550nm	1	900µm	A	None	A	None	D	G652D	1	1 metre	1	1 metre
	104	1 x 4	B	1310 / 1490 / 1550nm			B	E2000/UPC	B	E2000/UPC	A	G657A	2	1.5 metre	2	1.5 metre
	108	1 x 8	C	Broadband 1260-50nm			C	E2000/APC	C	E2000/APC			3	2 metre	3	2 metre
	116	1 x 16					D	FC/UPC	D	FC/UPC			4	2.5 metre	4	2.5 metre
	132	1 x 32					E	FC/APC	E	FC/APC			5	3 metre	5	3 metre
	202	2 x 2					F	LU/UPC	F	LU/UPC						
	204	2 x 4					G	LC/APC	G	LC/APC						
	208	2 x 8					H	MU/UPC	H	MU/UPC						
	216	2 x 16					I	MU/APC	I	MU/APC						
	232	2 x 32					J	SC/UPC	J	SC/UPC						
							K	SC/APC	K	SC/APC						
							L	ST/UPC	L	ST/UPC						

Note: VCSEL is only available for 850µm

Example Part Number

PCS	102	A	1	A	A	D	1	1
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This part number generator has created a 1X2 PLC Splitter with 900µm cable and no connectors using G652D fibre at 1310 & 1550 with 1m pigtail.

