

1x3, 1x4 Dual Window, Singlemode Wideband Fibre Splitter

V.3.3

Description

Fibrefab's dual window, singlemode wideband monolithic fibre splitters are highly stable devices, used for multi-port optical signal splitting. They offer excellent uniformity, low excess loss and very low polarization sensitivity. All devices are tested according to IEC requirements. Fibrefab can provide customized designs to meet specialized feature applications. Fibrefab can provide modular assemblies that integrate multiple components to form a subsystem.



Features

- ▶ **Single Fusion Compact**
- ▶ **Packaging**
- ▶ **Ultra Low Polarization**
- ▶ **Sensitivity**
- ▶ **Wavelength Independent**
- ▶ **High Stability & Reliability**

Technical Specification

Parameter			Unit	
Configuration	1 x 3	1 x 4		
Operating Wavelength	1310 and 1550		nm	
Operating Bandwidth	±40		nm	
Split Ratio	even		%	
Typical Excess Loss	0.15	0.4	dB	
Insertion Loss	≤6.2	≤ 7.5	dB	
Uniformity	≤ 1.5	≤ 1.8	dB	
Polarization Dependent Loss	≤ 0.3	≤ 0.3	dB	
Directivity	≥55		dB	
Maximum Power Handling	500		mW	
Operating Temperature	-10 to +70		°C	
Storage Temperature	-40 to +85		°C	
Packaging Dimension	250um bare fibre	(Ø) 3.0 x (L)54	(Ø) 3.0 x (L)54	mm
	900um loose tube	(Ø) 4.0 x (L)60	(Ø) 4.0 x (L)65	mm
	2mm, 3mm cable	(L)100 x (W)80 x (H)10	(L)100 x (W)80 x (H)10	mm



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Part Number Generator

SFS	Configuration	Wavelength	Package Style	Input Cable Type	Output Cable Type	Cable Type	Input Connector	Output Connector	Lead Length Input	Lead Length Output																																																																																																		
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Example Part Number

SFS	104	A	S	0	0	D	A	A	1	1
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This part number generator has created:

1x4 SM splitter at 1310 and 1550nm supplied in a steel tube with 1m 250µm bare fibre and no connectors.

*Only 250µm bare fibre and 900µm splitters can be supplied in a steel tube. 2mm and 3mm must be supplied in an ABS box - please see packaging dimensions overleaf

