

1x3 1x4 Dual Window Wideband Singlemode Splitter

Our 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. We can provide customized designs to meet specialized feature applications and modular assemblies that integrate multiple components to form a subsystem.



Features

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

Specification

PARAMETER	1 X 3	1 X 4	UNIT
Configuration			
Operating Wavelength	1310 and 1550	1310 and 1550	nm
Operating Bandwidth	±40	±40	nm
Split Ratio	even	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	≥ 55	dB
Maximum Power Handling	500	500	mW
Operating Temperature	-10 to +70	-10 to +70	°C
Storage Temperature	-40 to +85	-40 to +85	°C
Packaging Dimension	(Ø) 3.0 x (L)54 (Ø) 4.0 x (L)60 (L)100 x (W)80 x (H)10	(Ø) 3.0 x (L)54 (Ø) 4.0 x (L)65 (L)100 x (W)80 x (H)10	mm

Ordering Information

SFS	Configuration		Wavelength	Package Style		Input Cable Type		Output Cable Type		Fibre Type	Input Connectors		Output Connectors		Lead Length Input		Lead Length Output	
	Code	Ports		Code	Material	Code	Length	Code	Length		Code	Connector	Code	Connector	Code	Length	Code	Length
	103	1 x 3	A	A	0	250µm Bare Fibre	0	250µm Bare Fibre	D	A	None	A	None	1	1 metre	1	1 metre	
	104	1 x 4		S	1	900µm Loose Tube	1	900µm Loose Tube	A	B	E2000/UPC	B	E2000/UPC	2	1.5 metre	2	1.5 metre	
					2	2mm Cable	2	2mm Cable		C	E2000/APC	C	E2000/APC	3	2 metre	3	2 metre	
					3	3mm Cable	3	3mm Cable		D	FC/UPC	D	FC/UPC	4	2.5 metre	4	2.5 metre	
										E	FC/APC	E	FC/APC	5	3 metre	5	3 metre	
										F	LC/UPC	F	LC/UPC					
										G	LC/APC	G	LC/APC					
										H	MU/APC	H	MU/APC					
										I	MU/UPC	I	MU/UPC					
										J	SC/UPC	J	SC/UPC					
										K	SC/APC	K	SC/APC					
										L	ST/UPC	L	ST/UPC					

Example Part Number

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