

Dual Window Splitter

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Dual window splitters offer similar polarization performance to single window options with windows centered at 1310 and 1550nm. The FibreFab high performance FBT bidirectional singlemode dual window splitters are designed for ease of use in optical systems to split the signal from one fibre into two output fibre lines with ultra low loss. These devices can also be used to combine two signals into one. Fabricated using state of the art FBT processes the splitters operate over a wide range of wavelengths, these splitters are available in both 1x2 and 2x2 configurations.



OPTRONICS

Applications

- ▶ FTTX
- ▶ Power Splitting
- ▶ CATV Networks
- ▶ Power Monitoring
- ▶ Fibre Optic Sensors
- ▶ PON
- ▶ Fibre communication systems

Features

- ▶ Near Zero Excess Loss
- ▶ Low Back reflection
- ▶ Thermally stable
- ▶ Low PDL
- ▶ Accurate Split Ratio
- ▶ All-Fibre Technology FBT
- ▶ Excellent Uniformity
- ▶ Qualified to GR1209 and GR1221 Telcordia standards
- ▶ Compact packaging

Packaging and Capability

The FibreFab range of couplers are fabricated in a world class manufacturing facility fully equipped with clean rooms and cutting edge fabrication equipment. This facility has the capability to manufacture over 1M couplers per annum.

FibreFab splitters are available with various packaging options and a variety of connector options to meet customer requirements.

Specifications

Parameter		Narrowband ($\pm 20\text{nm}$)	Wideband ($\pm 40\text{nm}$)
Operating Wavelength	nm	1310 / 1550 / 1585	1310 / 1550 / 1570
Typical loss ₂	dB	0.1	0.1
		50/50	3.4
		60/40	2.5/4.4
		70/30	1.8/5.6
		80/20	1.2/7.5
		90/10	0.7/10.8
		95/5	0.4/13.8
		99/1	0.2/21.5
Maximum uniformity (for 50/50)	dB	0.6	0.6
PDL Max 1	dB		0.2
Directivity	dB		≥ 50
Operating temperature	$^{\circ}\text{C}$		-40 to 85
Fibre type		Corning SMF 28	

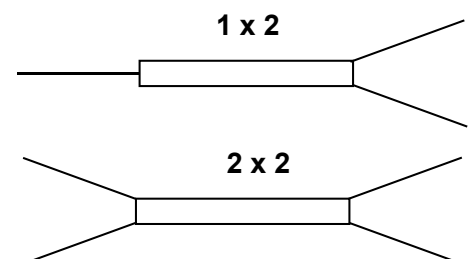
1 Values given are maximum, please contact FibreFab for typical and minimum values.

2 Loss of high power port/Loss of low power port.

Dimensions

Light	
250 μm	2.9mm (diameter) x 51mm (length)
Medium	
900 μm	3.0mm (diameter) x 65mm (length)
Heavy	
3 mm	96.5mm (length) x 12mm (breadth) 51mm (height)

Configurations



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Ordering Information

