

## 1 x 3 Dual Window Splitter

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FibreFab high performance bidirectional single mode splitters are used to split light from one fibre into three outgoing fibre lines with ultra low loss. This device is a highly compact all-fibre splitter fabricated using state of the art FBT processes. The splitter will operate in either 1310 and 1550nm wavelengths.



## OPTRONICS

### Applications

- ▶ FTTX
- ▶ Telecommunication Networks
- ▶ CATV Networks
- ▶ Fibre optic T&M equipment
- ▶ Fibre optic sensors
- ▶ PON
- ▶ Fibre communication systems

### Features

- ▶ Low Back reflection
- ▶ Thermally stable
- ▶ Low PDL
- ▶ 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.

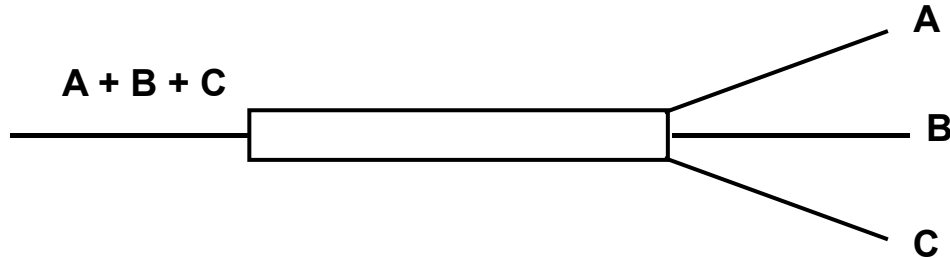
FibreFab splitters are available with various packaging options and a variety of connector options to meet customer requirements.

### Specifications

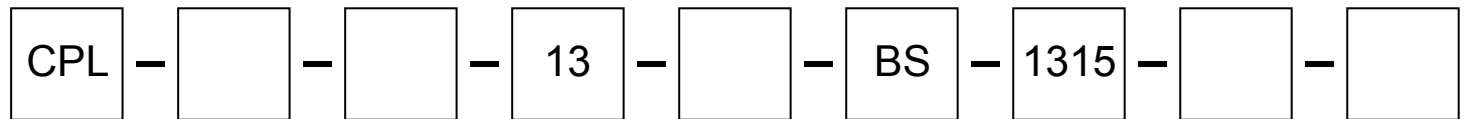
Operating Band	nm	1310±40 and 1550±40		
Split Ratio (Pri/Sec1/Sec2)	dB	Insertion Loss		
		A	B	C
33/33/33		6	6	6
10/45/45		11.3/9.0	4.1/2.9	4.1/2.9
20/40/40		8.2/6.0	5.2/3.4	5.2/3.4
30/35/35		6.2/4.6	5.6/3.9	5.6/3.9
40/30/30		4.7/3.4	6.4/4.4	6.4/4.4
50/25/25		3.6/2.5	7.3/5.1	7.3/5.1
60/20/20		2.7/1.8	8.4/6	8.4/6
70/15/15		1.9/1.3	9.6/7.4	9.6/7.4
80/10/10		1.3/0.7	11.7/8.5	11.7/8.5
90/5/5		0.6/0.3	15.1/10.3	15.1/10.3
Directivity	dB	≥55 dB		
Excess loss		4%		
Operating Temperature	°C	-40 to +85		
Storage Temperature	°C	-40 to +85		
Fibre Type		Corning SMF-28		
Dimensions				
Light duty	mm	Stainless steel tube, 3 (dia) x 55 (L)		
Medium duty	mm	Stainless steel tube, 3 (dia) x 65 (L)		

## Dual Window Splitter

### Configuration



### Ordering Information



Code	Coupling Ratio
33	33/33/33
30	30/35/35
20	20/40/40 etc

Code	Grade
P P	remium
C *	Custom Type

Code	Package Type
L	Light Duty, 250µm Buffered fibre
M M	edium Duty, 900µm Tubing

Code C	onnector type
NOC N	o Connector
SCU	SC/ UPC (BR ≥55dB)
SCA	SC/ APC ( BR ≥60dB)
FCU F	C/ UPC (BR ≥55dB)
FCA F	C/ APC ( BR ≥60dB)
STU S	T/ UPC (BR ≥55dB)
LCU L	C/ UPC (BR ≥55dB)

Code	Lead length
1	1m ± 0.1m
1.5	1.5m ± 0.1m
2	2m ± 0.1m
2.5	2.5m ± 0.1m
0	For Modules