

## 1 x 4 Monolithic Fused Splitter

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## OPTRONICS

FibreFab Truly Fused 1x4 dual window couplers are specifically designed and optimised for Fibre to the Home (FTTH) applications. Manufactured using a state of the art Fused BiConical Taper process (FBT), these couplers exhibit uniform performance over the entire optical band from 1260-1630nm with near zero excess loss. The epoxy free optical path of FibreFab monolithic fused couplers provides good power handling capability.



### Applications

- ▶ PON
- ▶ Telecommunications networks
- ▶ CATV
- ▶ Fibre test and sensor equipment

### Features

- ▶ All fibre technology
- ▶ Thermally stable
- ▶ Broadband performance
- ▶ Low back reflection
- ▶ Excellent uniformity
- ▶ Qualified to GR1209 and GR1221 Telcordia standards
- ▶ Compact packaging

### Packaging and Capability

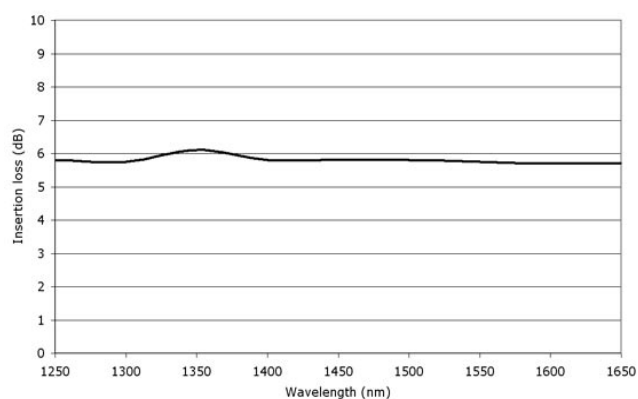
The FibreFab range of couplers are fabricated in a world class manufacturing facility fully equipped with clean rooms and cutting edge fabrication equipment. This facility has the capability to manufacture over 1M couplers per annum.

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

### Specifications

Parameter		Narrowband dual window	Wideband dual window	FTTh	Ultra broadband
Wavelength	nm	1310±20 1550±20	1310±40nm 1550±40nm	1310±40 1490±10 1550±40	1260-1630nm
Excess loss	dB	0.2	0.2	0.2	0.2
*IL max (25/25/25/25)	dB	7	7.1	7	7.2
*IL max (40/20/20/20)	dB	4.9/7.7	5.0/7.8	4.9/7.7	5.1/7.9
Uniformity (25/25/25/25)	dB	1.2	1.5	1.4	1.7
*PDL max	dB	0.3	0.3	0.3	0.3
Directivity	dB	≥ 50			
Operating temperature	°C	-40 to 85			
Storage temperature	°C	-40 to 85			
Fibre		SMF - 28			

### Spectral response for FTTH couplers



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

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### Ordering Information

