

1310/1550nm Fused Wavelength Division Multiplexer (WDM)

V.3.2

Description

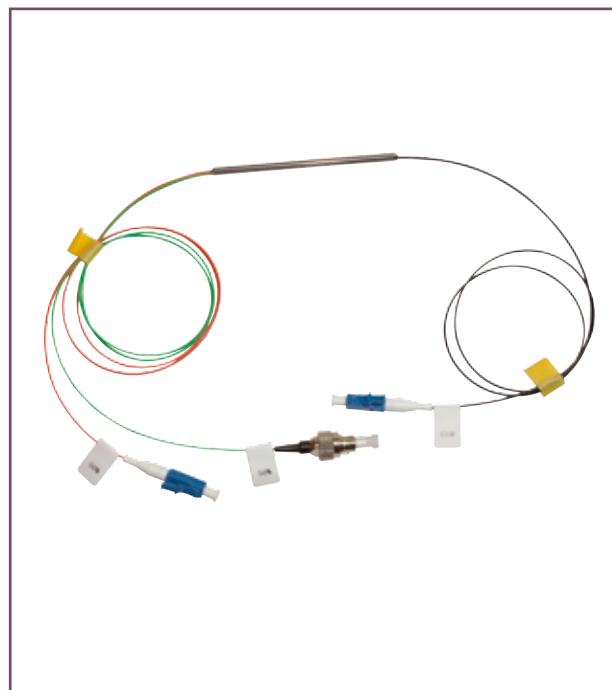
The FibreFab 1310/1550nm fused WDM can be used to combine or split 1310nm and 1550nm optical signals, to double the fibre transmission capability and ensure bi-direction communication in a single fibre. It is widely used for fibre communication systems upgrade to expand the system capacity.

Features

- ▶ **Low insertion loss**
- ▶ **Low PDL**
- ▶ **High isolation**
- ▶ **High stability and reliability**

Applications

- ▶ **WDM systems**
- ▶ **CATV**



Technical Specification

PARAMETER		
Operating wavelength (nm)	1310 and 1550	
Operating bandwidth (nm)	±15	
Grade	Standard	
Insertion loss (dB)	≤0.3	
Isolation(dB)	≥16	
PDL (dB)	≤0.1	
Directivity (dB)	≥55	
Operating temperature (°C)	-40~+85	
Configuration	1×2	
Fibre lead length	1 meter, others on request	
Dimensions (mm)	250µm bare fibre	Φ3.0mm×54mm
	900µm loose tube	Φ3.0mm×54mm
	900µm/2mm/3mm loose tube	90mmx14mmx8.5mm

*The above specification is without connector

**Other specifications can be supplied to customer requirements.



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Part Number Generator

Type	Configura- tion	Wavelength	Cable Type	Package Style	Input Connectors	Output Connectors	Lead length input	Lead length output
FUSW								
FUSED WDM	102 1x2	A 1310nm/ 1550nm	0 250µm 1 900µm 2 2mm cable* 3 3mm cable*	A ABS Box B Steel Pipe	A None B E2000/UPC C E2000/APC D FC/UPC E FC/APC F LC/UPC G LC/APC H MU/APC I MU/UPC J SC/UPC K SC/APC L ST/UPC	A None B E2000/UPC C E2000/APC D FC/UPC E FC/APC F LC/UPC G LC/APC H MU/APC I MU/UPC J SC/UPC K SC/APC L ST/UPC	1 1m 1.5 1.5m 2 2m 2.5 2.5m 3 3m	1 1m 15 1.5m 2 2m 25 2.5m 3 3m

Example Part Number



This part number generator has created a fused 1X2 WDM at 1310 & 1510nm supplied in an ABS box with 1m pigtailed and LC/APC connectors.

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



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