

# Wavelength Division Multiplexer

## Wavelength Division Multiplexer

FibreFab high performance WDMs have been specifically designed for multiplexing two different signals into a single fibre or split two signal for separate wavelengths from an incoming fibre. The FibreFab 1310/1550nm WDM can be integrated in single fibre bidirectional systems.



# OPTRONICS

### Applications

- ▶ FTTX
- ▶ Telecommunication Networks
- ▶ CATV Networks
- ▶ Fibre Optic T&M equipment
- ▶ Fibre Optic Sensor
- ▶ PON
- ▶ Fibre communication systems

### Features

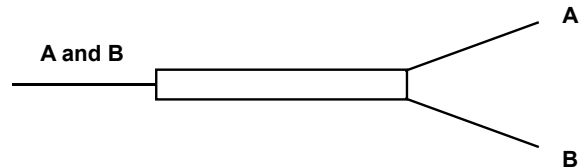
- ▶ Near Zero Excess Loss
- ▶ Low Back reflection
- ▶ Thermally stable
- ▶ Low PDL
- ▶ All-Fibre Technology FBT
- ▶ Excellent Uniformity
- ▶ Qualified to GR1209 and GR1221 Telcordia standards
- ▶ Compact packaging

### 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.

### Configuration



### Specifications

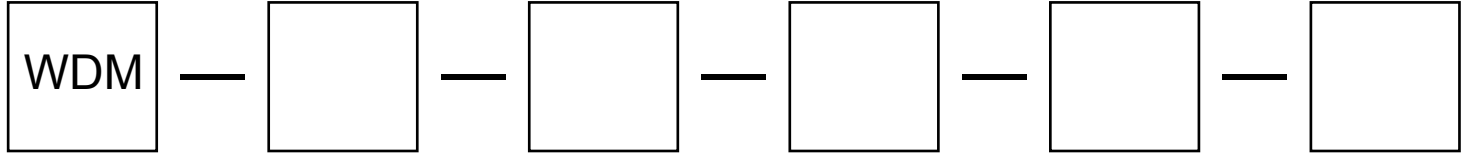
Parameter		1310/1550	1310/1490	980/1550
Operating Wavelength	nm	1310/1550 ±15	1310/1490 ± 10	980/1550 ± 10
Maximum Insertion Loss*	dB	0.2	0.3	0.2
Isolation	dB	20	17	20
Directivity	dB		≥ 50	
Operating Temperature	°C		-40 to 85	
Storage Temperature	°C		-40 to 70	
Fibre Type			-40 to 70	-40 to 70

Dimensions	
Light	3.0mm (dia) x 55mm (L), 250µm coated fibre
Medium	3.05mm (dia) x 65mm (L), 900µm tube
Heavy	Plastic Housing, 96.5mm (L) x 12mm (B) x 10mm (T), 3mm Jacketed Cable

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

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### Ordering Information



Code	WDM Type
34	1310/1490
35	1310/1550
95	980/1550

Code	Port Configuration
12	1 x 2
22	2 x 2

Code	Package Type
L	Light Duty, 250µm Buffered fibre
M M	Medium Duty, 900µm Tubing
H H	Heavy Duty, 3mm Jacketed Cable (2mm for LC conn types)
A A	Aluminium Cassette
P M	Moulded Plastic Cassette
C C	Custom Module
G L	GX Module

Code C	Connector type
NOC N	FC 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