



Single Mode Wavelength Division Multiplexers(1310/1550,1480/1550) (WDM series)

The Single Mode Wavelength Division Multiplexers are based on BTF technology. The devices combine or separate light at different wavelengths. They offer very low insertion loss, low polarization dependence, high isolation and excellent environmental stability. These components have been extensively used in EDFA, CATV, WDM networks and fiber optics instrumentation.



Specifications

Parameters	Unit	Values	
Grade		P	
Operating Wavelength	nm	1310/1550	1480/1550
Bandwidth	nm	± 15	± 5
Minimum Isolation	dB	18	13
Max. Insertion Loss	dB	0.3	0.4
Max. PDL	dB	0.1	
Thermal Stability	dB/	0.002dB/	over -5 °C to +70 °C
Directivity		55 dB	
Configuration		1 X 2 or 2 X 2	
Fiber length		1 meter, others on request	
Fiber type		Corning SMF-28	
Package Dimensions		250um bare fiber and dia. 3.0 mm × 55mm	
		900um loose tube and dia. 3.0mm X 60mm	
		3mm loose cable and 95.5mm X 11.8mm X6.3mm	
Operating Temperature		-5 °C to +70 °C	

*The above specification is for coupler without connector

*For devices with connectors, insertion loss will be 0.3dB higher, RL will be 5dB lower.

Ordering Information

WDM- - - - - -

: Port

1 - 1X2

2 - 2X2

: Fiber type

B - 250 um bare fib

L - 900 um loose tub

C - 3mm loose cab

: Wavelength

3155 - 1310 & 1550

4855 - 1480 & 1550

: Connector type

1 - FC/UPC

2 - ST/UPC

3 - LC/UPC

4 - FC/APC

5 - SC/APC

6 - SC/UPC

N - None

S - Specify

: Fiber Length

1 - 1m

S - Specil

: Grade

P - P grade

S - Specify

: Fiber Option

F - Corning SMF-2

S - Specil