

# Single Mode Wavelength Division Multiplexers (980/1570, 980/1590, 980/1610) (Fused WDM Coupler Series)



## Spec Review No. SR1380A

The Single Mode Wavelength Division Multiplexers 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.



## General Specifications

Parameters	Unit	Values
Grade		P
Operating Wavelength		980/1550, 980/1570, 980/1590, 980/1610
Bandwidth	nm	±15
Min. Isolation	nm	20
Max. Insertion Loss	dB	0.2
Max. PDL	dB	0.1
Thermal Stability	dB/°C	≤ 0.002 over -5 °C to +70 °C
Min.Directivity	dB	55
Configuration		1 X 2 or 2 X 2
Fiber Type		980 coupler SM fiber
Package Dimensions		250um bare fiber and dia. 3.0 mm X 40mm 900um loose tube and dia. 3.0mm X 66mm 3mm loose cable 90mmX16mmX9mm
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

\*Above specifications are for device without connector

\*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.

## Ordering Information

**WDM-①-②②②②-③-④-⑤-⑥-⑦**

①: Port

1 - 1X2  
2 - 2X2

②②②②: Wavelength

9855 - 980&1550  
9857 - 980&1570  
9859 - 980&1590  
9861 - 980&1610

③: Grade

P - P grade  
S - Specify

④: Connector Type

1 - FC/UPC  
2 - FC/APC  
3 - SC/UPC  
4 - SC/APC  
5 - LC/UPC  
6 - ST/UPC  
N - None  
S - Specify

⑤: Fiber Type

B - 250um bare fiber  
L - 900um loose tube

⑥: Fiber Length

1 - 1m  
S - Specify

⑦: Fiber Option

L - 980 coupler fiber  
S - Specify

