



Mini Single Mode Wavelength Division Multiplexers(980/1550) (MWDM series)

The Mini 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		
		P	A	B
Grade				
Operating Wavelength			980/1550	
Bandwidth	nm		±10 /±15	
Minimum Isolation	nm	≥20	≥19	≥19
Max. Insertion Loss	dB	0.15	0.20	0.30
Max. PDL	dB		0.1	
Thermal Stability	dB	0.002dB/ over -5 °C to +70 °C		
Directivity	dB/	55 dB		
Configuration		1 X 2 or 2 X 2		
Fiber length		1 meter, others on request		
Fiber type		Lucent 980 coupler fiber		
Package Dimensions		250um bare fiber and dia. 3.0 mm X 40mm		
		900um loose tube and dia. 3.0mm X 47mm		
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

MWDM- - - - - -

Port	connector Type	Fiber Length
1 - 1X2	1 - FC/UPC	1 - 1m
2 - 2X2	2 - ST/UPC	S - Specify
	3 - LC/UPC	
	4 - FC/APC	Fiber Option
Wavelength	5 - SC/APC	L - Lucent 980 coupler fiber
9855 - 980&1550	6 - SC/UPC	
	N - None	
Grade	S - Specify	
P - P grade		
A - A grade	Fiber Type	
B - B grade	B - 250 um bare fiber	
S - Specify	L - 900 um loose tube	