

FO4SALE COUPLERS & WDM'S

FO4SALE couplers and WDM's are manufactured in the USA using proven fused biconical taper (FBT) technology, and are designed to meet Telcordia requirements. Our high quality, low cost couplers are available in single wavelength and dual window varieties in an assortment of split ratios. Our WDM's feature low insertion loss and high isolation. All device types are available with bare 900 μm, or 3mm pigtailed, and can be terminated with your choice of connectors or installed in rack mount modules.



SPECIFICATIONS

Singlemode Coupler

	Ultra	Premium
Operating wavelength	1310nm	1550nm +/- 10nm
Thermal stability(-40°C to 85°C)	+/-0.1dB	+/-0.1dB
Return Loss	1x2 -55dB	2x2 -65dB
Polarization Dispersion Loss	+/-0.1dB	0.15dB
Max. Insertion Loss (dB) 50/50	3.4	3.6
40/60	4.4/2.5	4.7/2.7
30/70	5.6/1.8	6.0/1.9
20/80	7.4/1.1	7.9/1.3
10/90	10.8/0.6	12.0/0.8
5/95	14.6/0.4	18.4/0.5
1/99	21.5/0.2	22.0/0.3
Package Dimensions	250μm = ø3mm x 55mm 900μm = ø3mm x 60 mm	

Dual Window Singlemode Coupler

	Ultra	Premium
Operating wavelength	1310nm	1550nm +/- 10nm
Thermal stability(-40°C to 85°C)	+/-0.1dB	+/-0.1dB
Return Loss	1x2 -55dB	2x2 -65dB
Polarization Dispersion Loss	+/-0.1dB	0.15dB
Max. Insertion Loss (dB) 50/50	3.4	3.8
40/60	4.7/2.7	5.0/2.9
30/70	6.0/1.9	6.4/2.2
20/80	7.9/1.2	8.5/1.4
10/90	11.3/0.6	12.7/0.8
5/95	15.0/0.4	18.0/0.6
1/99	23.5/0.3	24.0/0.5
Package Dimensions	250μm = ø3mm x 55mm 900μm = ø3mm x 60 mm	

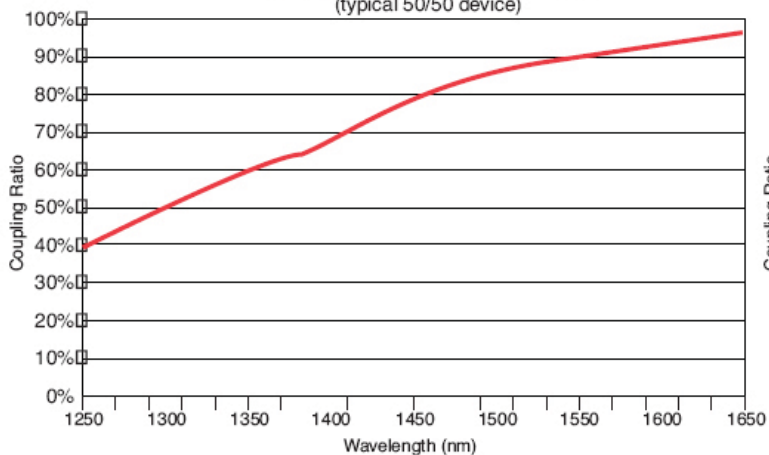
Wavelength Division Multiplexer

	Ultra	Premium
Operating wavelength	1310nm	1550nm +/- 10nm
Max. Insertion Loss	+/-0.3dB	+/-0.5dB
Return Loss	-55dB	-55dB
Isolation	16dB	12dB
Thermal stability (-40°C to 85°C)	+/-0.1dB	+/-0.1dB
Polarization Dispersion Loss	0.1dB	0.2dB
Package Dimensions	250μm = ø3mm x 60mm 900μm = ø3mm x 65 mm	

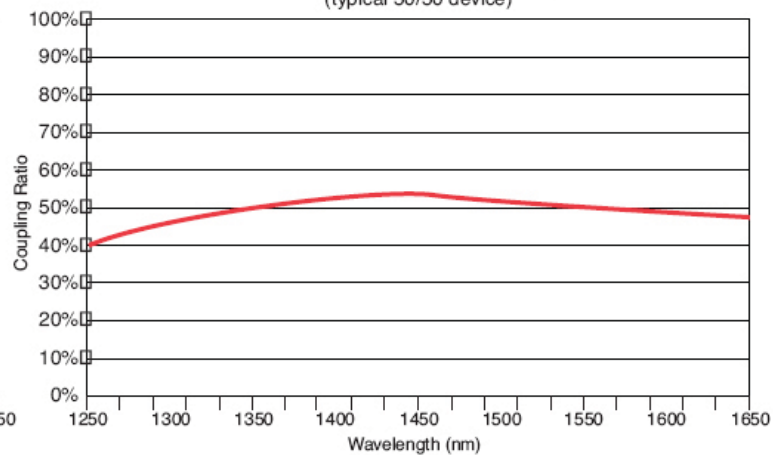
Multimode Coupler

	62.5/125	50/125
Operating wavelength	800nm or 1600nm	+/- 10nm
Thermal stability(-40°C to 85°C)	+/-0.1dB	+/-0.1dB
Return Loss	-40dB	-40dB
Polarization Dispersion Loss	0.15dB	0.15dB
Max. Insertion Loss	4dB	4.3dB
Package Dimensions	250μm = ø3mm x 55mm 900μm = ø3mm x 60 mm	

Singlemode Coupler Spectral Response
(typical 50/50 device)



Dual Window Coupler Spectral Response
(typical 50/50 device)



WDM Spectral Response
(typical)

