

Champion couplers and WDMs 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 fiber, 900µm, or 3mm pigtailed, and can be terminated with your choice of connectors or installed in rack mount modules.



Single Mode Coupler		
	Ultra	Premium
Operating Wavelength:	1310nm or 1550nm +/-10nm	
Thermal Stability (-40°C to 85°C)	+/-0.1dB	
Return Loss	1x2 ≥ -55dB	2x2 ≥ -65dB
Polarization Dispersion Loss	≤0.1dB	≤0.15B
Package Dimensions:	250µm = ø3mm x 55mm 900µm = ø3mm x 60mm	
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

Dual Window Single Mode		
	Ultra	Premium
Operating Wavelength:	1310nm or 1550nm +/-40m	
Thermal Stability (-40°C to 85°C)	+/-0.1dB	
Return Loss	1x2 ≥ -55dB	2x2 ≥ -65dB
Polarization Dispersion Loss	≤0.1dB	≤0.15B
Package Dimensions:	250µm = ø3mm x 55mm 900µm = ø3mm x 60mm	
Max. Insertion Loss (dB)		
50/50	3.6	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

Wavelength Division Multiplexer		
	Ultra	Premium
Operating Wavelength:	1310 or 1550nm +/-20nm	
Max. Insertion Loss	≤0.3dB	≤0.15B
Isolation	≤16dB	≤12dB
Thermal Stability (-40°C to 85°C)	+/-0.1dB	
Return Loss	-55dB	
Polarization Dispersion Loss	≤0.1dB	≤0.2dB
Package Dimensions:	250µm = ø3mm x 60mm 900µm = ø3mm x 65mm	

Multimode Coupler		
	62.5/12.5	50/125
Operating Wavelength:	800nm to 1600nm	
Max. Insertion Loss	≤4.6dB	≤4.95B
Thermal Stability (-40°C to 85°C)	+/-0.1dB	
Return Loss	-40dB	
Polarization Dispersion Loss	≤0.15dB	
Package Dimensions	250µm = ø3mm x 55mm 900µm = ø3mm x 60mm	

All trademarks are the trademarks of their respective owners.

Manufactured in the U.S.A.