

## Singlemode Dual Window Couplers



### Key Features

- Low Excess Loss
- Various Coupling Ratio
- Compact Size

### Applications

- Long-haul Telecommunications
- CATV Systems & Fiberoptic Sensors
- Local Area Network

### Performance Specifications

Parameter	Specifications
Coupling Ratio	50/50%
Port Configuration	1x2 or 2x2
Directivity	≥ 55dB
Operating Temperature	-20 to +75°C (-40 to +85°C Available upon request)
Storage Temperature	-40 to + 85°C
Fiber Type	Corning singlemode SMF-28,DS fiber or flexcore
Fiber Pigtail Length	1m
Package Dimensions (mm)	Package M, N, A, B, C

Singlemode Dual Window Wideband Coupler		
Operating Wavelength	1310/1550nm ± 40nm, 1310/1585nm ± 40nm, or Custom wavelength	
Grade	P Grade	A Grade
Coupling Ratio	50/50%	50/50%
Excess Loss (Typ.)	0.10dB	0.15dB
Insertion loss (Max.)	3.50dB	3.80dB
Uniformity (Max.)	0.70dB	0.10dB
Polarization Sensitivity	0.10dB	0.15dB

## Coupling Ratio/Insertion Loss Conversion Chart

Coupling Ratio	Insertion loss	
	P Grade	A Grade
Grade		
40/60	4.7dB/2.7dB	5.0dB/2.9dB
30/70	6.0dB/1.9dB	6.4dB/2.1dB
20/80	7.9dB/1.3dB	8.5dB/1.4dB
10/90	11.3dB/0.70dB	12.7dB/0.80dB
5/95	15.0dB/0.45dB	16.0dB/0.50dB
2/98	19.0dB/0.30dB	20.0dB/0.45dB
1/99	22.5dB/0.25dB	23.0dB/0.40dB

Note: All values referenced are without connector.

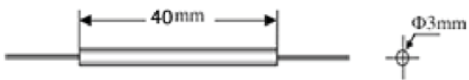
## Ordering Information

Type	Grade	Wavelength	Coupling Ratio or Attenuation (dB)	Port	Package	Pigtail Style	Fiber Type	In/Out Connector
↓	S = Special P = P Grade A = A Grade	35 = 1310/1550nm 36 = 1310/1585nm	50 = 50/50 30 = 30/70 10 = 10/90 05 = 5/95 01 = 1/99	0102 = 1x2 0202 = 2x2	M = Package M N = Package N A = Package A B = Package B C = Package C	1 = 250um Bear Fiber 2 = 900um Jacket 3 = 3mm Cable	0 = SMF-28 D = DS Fiber S = Special	0 = None 1 = FC/APC 2 = FC/PC 3 = SC/APC 4 = SC/PC 5 = ST 6 = LC/UPC 7 = LC/APC X = Special
S = Singlemode Standard Coupler W = Singlemode Wideband Couple								

## Package Dimensions & Pigtail Style

### Pigtail Dimensions:

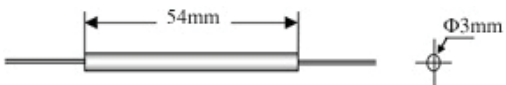
Package M: 3mm x 40mm Stainless Steel Tube



Package N: 3mm x 35mm Stainless Steel Tube



Package A: 3mm x 54mm Stainless Steel Tube



Package B: 3mm x 60mm Stainless Steel Tube



Package C: 8.5mm x 14mm x 98mm Case



### Pigtail Style:

Package M, N, A: 250um Bare Fiber

Package B: 250um Bare Fiber or 900um Loose Tube

Package C: 3mm Cable or 900um Loose Tube