



# Singlemode Dual Window Couplers



### Features

- Low Excess Loss
- Various Coupling Ratio
- Compact Size

### Applications

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

## Performance Specifications

Coupling Ratio(%)	50/50
Minimum Directivity (dB)	55
Operating Temperature (°C )	-20 ~ +70 (-40 ~ +85 available upon request)
Storage Temperature (°C )	-40 - +85
Fiber Type	Corning singlemode SMF-28, DS fiber or flexcore
Fiber Pigtail Length (m)	1
Port Configuration	1x2 or 2x2
Dimensions (mm)	Package M, N, A, B, C

### Singlemode Dual Window Wideband Couplers

Grade	P Grade	A Grade
Coupling Ratio (%)	50/50	50/50
Excess Loss (Typical )(dB)	0.1	0.15
Maximum Insertion loss (dB)	3.5	3.8
Uniformity (Max.) (dB)	0.7	1.0
Maximum PDL (dB)	0.10	0.15
Operating Wavelength (nm)	1310 /1550 ±40 1310/1585±40 or custom wavelengh	

## Coupling Ratio/Insertion Loss Conversion Chart

Coupling Ratio	Insertion Loss	
	P Grade	A Grade
40/60	4.7/2.7	5.0/2.9
30/70	6.0/1.9	6.4/2.1
20/80	7.9/1.3	8.5/1.4
10/90	11.3/0.7	12.7/0.8
5/95	15.0/0.45	16.0/0.5
2/98	19.0/0.3	20.0/0.45
1/99	22.5/0.25	23.0/0.40

Note: All values referenced are without connector

## Ordering Information

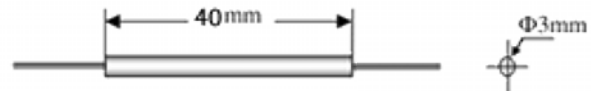
Type	Grade	Wavelength	Coupling Ratio or Attenuation (dB)	Port	Package	Pigtail Style	Fiber Type	In/Out Connector
S	S	35=1310/1550nm	50=50/50	0102=1x2	M=package M	1=Bare Fiber	0=SMF-28	0=None
W	P	36=1310/1585nm	30=30/70	0202=2x2	N=Package N	2=900um Jacket	D=DS Fiber	1=FC/APC
	A		10=10/90		A=Package A	3=3mm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

\* **Type:** S -- Singlemode Standard Coupler  
W -- Singlemode Wideband Coupler

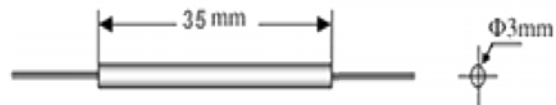
## Dimensions & Pigtail Style

### Package Dimensions:

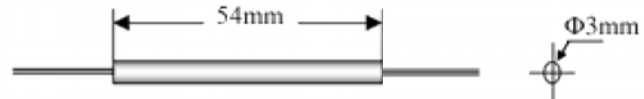
Package M:  
3mm x 40mm Stainless Steel Tube



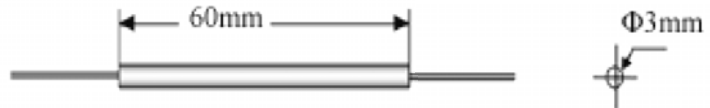
Package N:  
3mm x 35mm Stainless Steel Tube



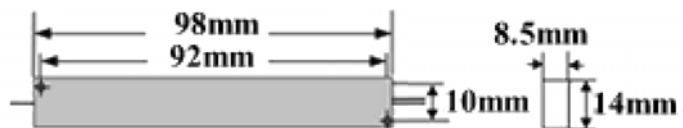
Package A:  
3mm x 54mm Stainless Steel Tube



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

