



# Singlemode Single Fusion Tree/Star 1x4 Dual Window Coupler



## Features

- Low Excess Loss
- Single Fusion Design
- Uniform Power Splitting
- Compact Size

## Applications

- Telecommunication Systems
- Digital, Hybrid and AM-Videosystems
- CATV Systems
- Fiber Sensors

## Performance Specifications

Parameter	Specification	
Operating Wavelength (nm)	1310/1550 ± 40	
Grade	P	A
Port Configuration	1 x 4	1 x 4
Excess Loss (Max.) (dB)	0.3	0.4
Insertion Loss (Max.) (dB)	7.5	7.9
Uniformity (Max.) (dB)	1.4	1.8
PDL (Max.) (dB)	0.2	0.3
Directivity (Min.) (dB)	55	
Operating Temperature (°C)	-20 ~ +70 (-40 ~ +85 available upon request)	
Storage Temperature (°C)	-40 ~ +85	
Optical Power (Max.) (mW)	1000	
Reliability Requirement	Compliant with GR-1209-CORE and GR-1221-CORE	
Fiber Type	Corning singlemode SMF-28e	
Fiber Pigtail Length (m)	1	
Fiber Color Code	Colored	
Dimensions (mm)	Package A, B, C	

### Note:

1. The Wavelength Dependent Loss is the difference between maximum loss and minimum insertion loss over the whole working wavelength range
2. Temperature Dependent Loss is defined as the insertion loss variation over the whole working range
3. 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 W	P A	35=1310/1550nm	AV=Tree coupler	0104=1x4	A=Package A B=Package B C=Package C	1=Bare Fiber 2=900um Jacket 3=3mm Cable	0=SMF 28 1=Corning Flexcore 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

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

## Dimensions & Pigtail Style

### Package Dimensions

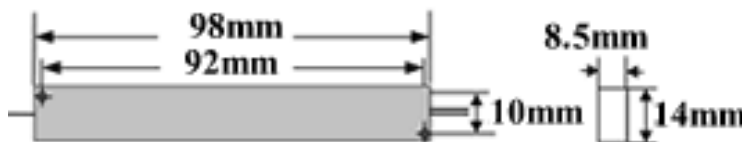
Package A:  
3.5mm x 54mm Stainless Steel Tube



Package B:  
3.5mm x 60mm Stainless Steel Tube



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



### Pigtail Style:

Package A: 250um Bare Fiber  
 Package B: 250um Bare Fiber or 900um Loose Tube  
 Package C: 3mm cable or 900um Loose Tube

