

# 1×4 Single Mode Coupler

## Descriptions

SM Coupler is fully compliant with Telcordia GR-1209/1221 reliability qualification requirement

## Features

- ▶ Low Insertion Loss, Good Uniformity
- ▶ Wide Operating Wavelength
- ▶ Excellent environmental stability and reliability

## Applications

- ▶ Communication System
- ▶ Fiber laser and Fiber Sensor
- ▶ FTTX Systems
- ▶ LAN, WAN and Metro Networks
- ▶ Analog/Digital Passive Optical Networks
- ▶ CATV Networks
- ▶ Fiber Optic Instruments

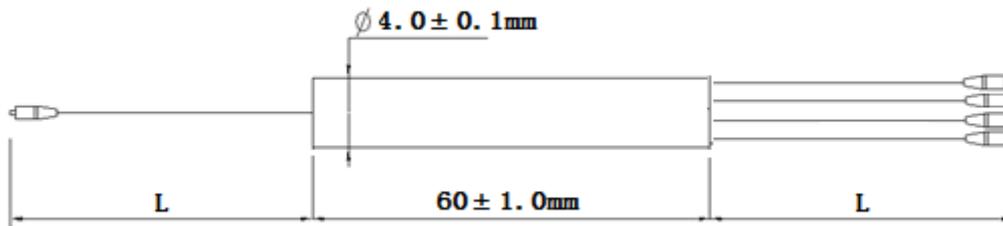


## Specifications

Configuration	1×4				
Type	Unit	Single Mode Standard Coupler (SSC)	Single Mode Wide Band Single Window Coupler (SWBC)	Single Mode Dual Window Coupler (SDWC)	Single Mode Three Window Coupler (STWC)
Operating Wavelength	nm	1310 or 1550	1310 or 1550	1310/1550	1310/1490/1550
Operating Bandwidth	nm	±15	±40	±40	±40
Max Insertion Loss	dB	6.9	6.9	7.1	7.1
PDL	dB	≤0.20		≤0.25	
Uniformity		≤1.0	≤1.2	≤1.4	≤1.4
Return Loss	dB	≥50.00			
Directivity	dB	≥55.00			
Operating Temperature	Deg.	-5-75			
Storage Temperature	Deg.	-40-85			
Fiber Length	m	1.00±0.10			
Fiber Type		SMF-28e			
Pigtail Tube	um	250,900, or others			
Package Dimensions	mm	3×54, 4×60, 4×65,, or others			

- Note:
1. Above specifications are for device without connector.
  2. For devices with connectors, 0.3dB higher for IL.

## Package Dimensions



## Ordering Information

SSC - A - B - C - D - E - F - G - H		
<b>SSC: Single Mode Standard Coupler</b>		
<b>SWBC: Single Mode Wide Band Single Window Coupler</b>		
<b>SDWC: Single Mode Dual Window Coupler</b>		
<b>STWC: Single Mode Three Window Coupler</b>		
<b>A</b>	Wavelength	1310, 1550, 1310/1550, 1310/1490/1550, Other
<b>B</b>	Configuration	1x4, etc
<b>C</b>	Coupling Ratio	EVEN
<b>D</b>	Pigtail Type	0.25=0.25mm bare fiber, 0.9=0.9mm loose tube, etc
<b>E</b>	Fiber Type	SMF-28e, ClearCurve® XB, others
<b>F</b>	Connector Type	N=None, LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC, etc
<b>G</b>	Package Size	3x54mm, 4x60mm, 4x65mm,, etc
<b>H</b>	Fiber length	003=0.3m, 005=0.5m, 010=1.0m, 100=10m, etc
For example: SSC-1550-1x4-EVEN-0.9-SMF28-FC/APC*5-4x60-010		