

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

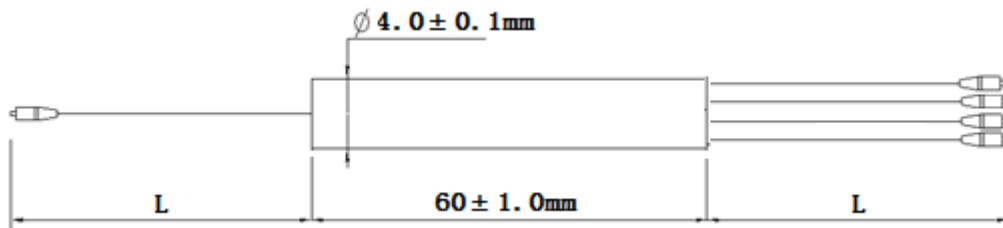


Specifications

Configuration	Unit	1×4			
Type		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		
SSC: Single Mode Standard Coupler SWBC: Single Mode Wide Band Single Window Coupler SDWC: Single Mode Dual Window Coupler STWC: Single Mode Three Window Coupler		
A	Wavelength	1310, 1550, 1310/1550, 1310/1490/1550, Other
B	Configuration	1x4, etc
C	Coupling Ratio	EVEN
D	Pigtail Type	0.25=0.25mm bare fiber, 0.9=0.9mm loose tube, etc
E	Fiber Type	SMF-28e, ClearCurve® XB, others
F	Connector Type	N=None, LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC, etc
G	Package Size	3x54mm, 4x60mm, 4x65mm,, etc
H	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		