

Multi-Mode Coupler

Descriptions

MM 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

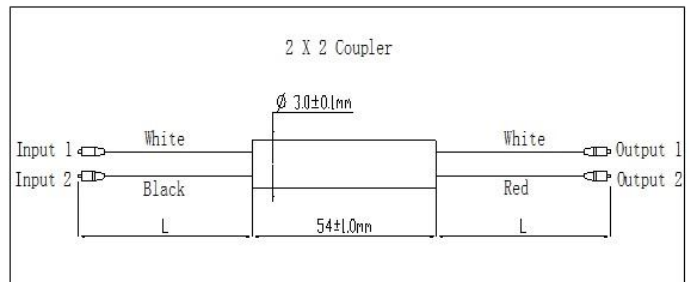
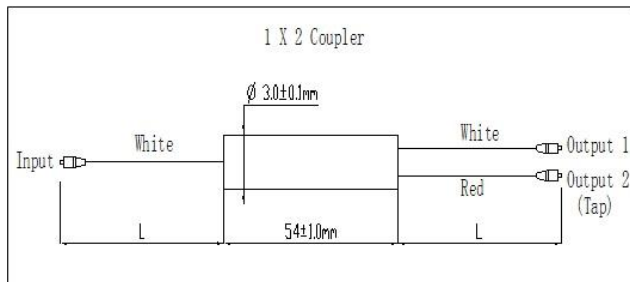


Specifications

Configuration		Unit	1×2/2×2	
Type			Multi-Mode Coupler(MMC)	
Operating Wavelength		nm	850 or 1310	850/1310
Max Insertion Loss	50/50	dB	3.70/3.70	4.00/4.00
	40/60	dB	4.70/2.70	5.00/3.00
	35/65	dB	5.40/2.50	5.60/2.70
	30/70	dB	6.00/2.10	6.10/2.30
	25/75	dB	6.85/1.90	7.05/2.10
	20/80	dB	7.80/1.40	8.10/1.80
Return Loss		dB	≥40.0	
Directivity		dB	≥40.0	
Operating Temperature		Deg.	-5-75	
Storage Temperature		Deg.	-40-85	
Fiber Length		m	1.00±0.10	
Fiber Type			50/125 or 62.5/125 Multi-Mode OM3, OM4 or others	
Light Source			LED	
Pigtail Tube		um	250 bare fiber, 900/2000/3000 loose tube	
Package		mm	3.0×54, 90×16×10, 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

MMC - A - B - C - D - E - F - G - H		
A	Wavelength	850, 1310, 850/1310, Others
B	Configuration	1×2, 2×2, etc
C	Coupling Ratio	50/50, 45/55, 40/60, 30/70....1/99, etc
D	Pigtail Type	0.25=0.25mm bare fiber, 0.9=0.9mm loose tube, 2.0= 2.0mm loose tube, 3.0=3.0mm loose tube, etc
E	Fiber Type	62.5/125, OM2, OM3, OM4, or other MM fiber
F	Connector Type	N=None, LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC, etc
G	Package Size	3x40mm, 3x45mm, 3x54mm, 90x16x10mm, etc.
H	Fiber length	003=0.3m, 005=0.5m, 010=1.0m, 100=10m, etc
For example: MMC-850/1310-1x2-50-0.9-4-LC/APC*3-3x54-010		