

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

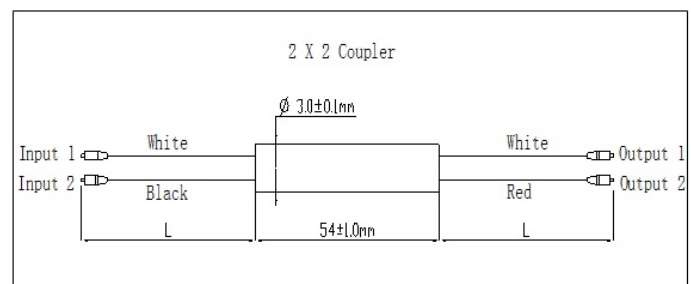
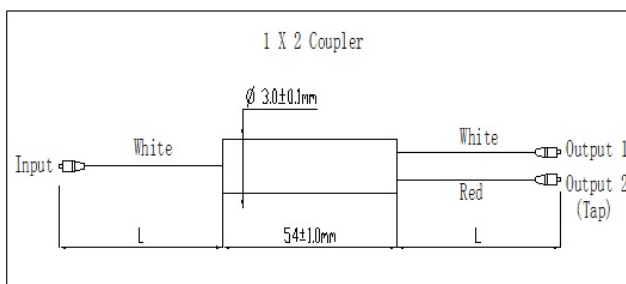
Specifications

Configuration		Unit	1×2/2×2	
Type			Multi-Mode Coupler(MMC)	
Operating Wavelength		nm	850 or 1310	850/1310
Max Insertion Loss	50/50	%	3.80/3.80	4.00/4.00
	40/60	%	2.80/4.80	3.00/5.00
	35/65	%	-	2.7/5.6
	30/70	%	2.10/6.00	2.30/6.20
	25/75	%	-	2.1/7.05
	20/80	%	1.60/7.80	1.80/8.00
	10/90	%	1.10/11.50	1.25/11.8
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, OM5 or others	
Light Source		LED	
Fiber Diameter	um	250/900	900/2000/3000
Package	mm	3.0×54	90×16×10

Note: 1. Above specifications are for device without connector, IL add 0.3dB & RL reduced 5dB with connector.

Package Dimensions



Ordering Information

MM(D)C - A - B - C - D - E - F - G - H - I - J		
A	Wavelength	850, 1310, 850/1310, Others
B	Configuration	1×2, 2×2, etc
C	Coupling Ratio	50=50/50, 45=45/55, 40=40/60, 30=30/70...1=1/99
D	Tube Type	0.9=0.9mm loose tube, 2.0= 2.0mm loose tube, 3.0=3.0mm loose tube etc
E	Fiber Type	1=62.5/125, 2=50/125 OM2, 3=50/125 OM3, 4=50/125 OM4 5= OM5 , 6=others
G	Connector Type	N=None, LU=LC/UPC, LA=LC/APC, SU=SC/UPC, SA=SC/APC, FU=FC/UPC, FA=FC/APC, O=Others
I	Package Size	3x40mm, 3x45mm, 3x54mm, 90x16x10mm, etc.
H	Fiber length	0.3=0.3m, 0.5=0.5m; 1=1.0m 10=10m etc
For example: MMDC-850/1310-1x2-50-0.9-5-LU-3x54-1		