

Coupler-Multi Mode

1×N 2×N Coupler MM



Features

- ◆ Low excess loss
- ◆ Wide Operating Temperature:
From -40°C to 85°C
- ◆ High Reliability and Stability
- ◆ Passed Telcordia GR-1221-CORE, and 85°C,85%RH test up to 1500 hours

Applications

- ◆ Optical communication systems
- ◆ CATV
- ◆ Local Area Networks
- ◆ Testing instruments

Compliance

- ◆ Telcordia GR-1209-CORE
- ◆ Telcordia GR-1221-CORE
- ◆ RoHS

Datasheet

Technical Specification

Item	Unit	Parameter								
Type	--	1 × 2 Multi Mode Coupler(MMC)								
Wavelength	(nm)	850 or on Request								
Bandwidth	(nm)	±20								
Coupling Ratio	--	50/50		40/60		30/70		20/80		
Grade	(nm)	P	S	P	S	P	S	P	S	
Insertion Loss	MAX	(dB)	3.7	4	4.7/2.7	5.0/3.0	6.0/2.1	6.3/2.4	7.8/1.4	8.1/1.7
Uniformity	MAX	(dB)	0.5	0.7	/	/	/	/	/	/
Directivity	(dB)	≥40								
Operating Temperature	(°C)	-20 ~ 75								

Item	Unit	Parameter				
Type	--	1 × N Monolithic Multimode Coupler(MMC)				
Wavelength	(nm)	850 or on Request				
Bandwidth	(nm)	±20				
Configuration	(nm)	1 × 3		1 × 4		
Grade	--	P	S	P	S	
Insertion Loss	MAX	(dB)	5.4	6	≤7.3	≤7.8
Uniformity	MAX	(dB)	0.9	1.2	≤1.2	≤1.5
Directivity	(dB)	≥40				
Operating Temperature	(°C)	-20 ~ 75				

Notes: * The above specification is without connector.
* Other specifications can be made on customer request.

Ordering Information

MMC - P - 1×2 - 850 - 10/90 - FC/APC - 0 - 50 - Φ3×60
 ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

Item	Unit	Parameter
① Grade	--	P=Premium , A=standard
② Configuration	--	1×2 , 2×2 , 1×3 , 1×4 , 1×8 and so on
③ Operating Wavelength	(nm)	850 or on Request
④ Coupling Ratio	--	01/99 , 05/95 ... 50/50
⑤ Input&Output Connector	--	0=None , FC/APC , FC/UPC or on Request
⑥ Pigtail Type	--	0=Φ250μm , 1=Φ900μm , 2=Φ2mm , 3=Φ3mm , 4=Other
⑦ Fiber Type	--	50=50/125 , 62.5=62.5/125 , 4=Other
⑧ Package	(mm)	Φ3×55 , Φ3×60 , 90×20×10 , 100×80×10 or as Requirement

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