

Standard Multimode Coupler

Features

- Low insertion Loss
- Customized Package available
- Environmentally stable.

Applications

- Telecommunication networks
- LAN
- Video transmission
- Fiber optic sensing
- Testing instruments



Specifications

ITEM	VALUE	
Operation Wavelength , nm	850nm or 1310nm	
Grade	Super(S)	High(H)
Excess Loss ,dB	0.7	1.0
Uniformity, dB (50 : 50,at specified wavelength)	0.7	1.0
Thermal Stability, dB (peak-peak)	≤0.20	≤0.25
Coupling Ratio	1 : 99 to 50 : 50 , (50 : 50 standard)	
Insertion Loss, dB	Refer to the coupling ratio vs. insertion loss chart	
Directivity, dB	≥ 35	
Reflectance, dB	≥ 35	
Operation Temperature, °C	-40°C ~ 85°C (*)	
Storage temperature , °C	-55°C ~ 85°C	
Package Options (for different pigtail)		
1.coated fiber (250µm)	T5,MA,MB,M3	
2.Loose tube (900µm)	TA,MA,MB,M3	
3.PVC cable(3.0mm)	A1,MA,MB,M3	

Note: (*) -20°C ~ +70°C for PVC cable.

Coupling Ratio (%)	Insertion Loss(dB)	
	Super Grade(S)	High Grade(H)
50/50	3.9	4.3
40/60	4.9/3.0	5.4/3.5
30/70	6.2/2.3	6.7/2.7
20/80	8.0/1.8	8.7/2.1
10/90	11.3/1.25	12.2/1.6
5/95	14.9/0.9	16.2/1.3
1/99	22.1/0.7	22.7/1.0

Standard Multimode Coupler Ordering information

