

C-MS



Features

- Low insertion loss
- High port isolation
- Custom defined specifications
- Environmentally stable

Applications

- Telecommunications
- Local area network
- Fiber to the home
- Video transmission
- Fiber optic sensing
- Testing instruments
- CATV

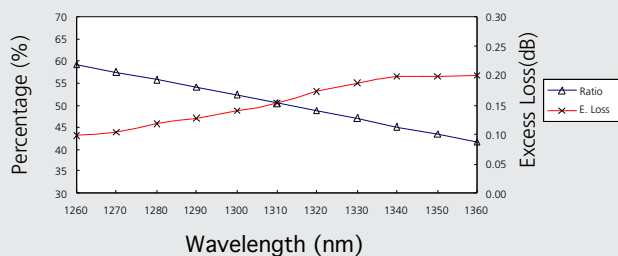
Performance Specifications

Item	Standard Multimode Coupler	
	1310 ± 10 or 1550 ± 10	
Operating Wavelength, nm	1310 ± 10 or 1550 ± 10	
Grade	Super (S)	High (H)
Typical Excess Loss, dB	0.12	0.2
Uniformity, dB (50:50, at specified wavelength)	0.7	1
Thermal Stability, dB (peak-peak)	< 0.3	< 0.4
Polarization Stability, dB	< 0.1	< 0.15
Port Configuration	1 x 2 or 2 x 2	
Coupling Ratio	1:99 to 50:50, (50:50 standard)	
Insertion Loss, dB	Please refer to the Coupling Ratio vs. Insertion Loss chart	
Directivity, dB	>50 (1 x 2) , >60 (2 x 2)	
Operating Temperature, °C	-40 to +85	
Storage Temperature, °C	-55 to +85	
Package Options (for different pigtailed)	Coated fiber (250µm)	T1
		-
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Note : The packaging option codes are explained in the Packaging Dimensions below.

C-NM Miniature Singlemode Coupler

Operating Wavelength:1310nm,Coupling Ratio :50/50%



COUPLING RATIO VS. INSERTION LOSS

Coupling Ratio (%)	Insertion Loss (dB)	
	Super Grade (S)	High Grade (H)
50 / 50	3.9	3.7
40 / 60	4.5 / 2.6	4 / 2.9
30 / 70	5.8 / 1.9	6.1 / 2.1
20 / 80	7.6 / 1.2	8.1 / 1.5
10 / 90	10.9 / 0.7	11.6 / 1.0
5 / 95	14.7 / 0.5	15.6 / 0.7

C-MS

C - MS -XX-XX-X-XXXX-XX-XX/XX

ORDERING INFORMATION

Fiber Type _____

- A SMF-28™
- B 62.5/ 125 μm
- X Others, please specify

Package Option _____

- C T1 with coated fiber
- X Others, please specify

Coupling Ratio _____

- 00 ~ 50 Please specify

Grade _____

- S Super
- H High

Port Number _____

- 12..... 1 x 2
- 22..... 2 x 2

Pigtail Length (for each port) _____

- 10 1 meter 05..... 0.5 meter
- 20 2 meter 15..... 1.5 meter
- 00 Modulized XX..... Others, please specify

Wavelength _____

- 13 1310nm
- 15 1550nm

Connector Type (for both ends) _____

- FC FC type AP..... FC/APC type
- SC SC type AS..... SC/APC type
- ST ST type NC..... None
- NC None
- XX Others, please specify

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