

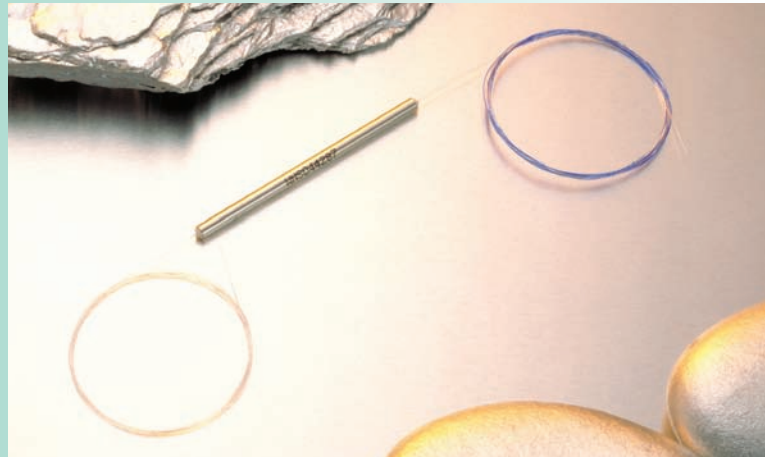
C-NM STANDARD MULTIMODE COUPLERS

Features:

- Low insertion loss
- Customized packaging available
- Environmentally stable

Applications:

- Telecommunications
- Local area network
- Video transmission
- Fiber optic sensing
- Testing instruments



Performance Specifications:

ITEM	Standard Multimode Couplers (50:50)	
Operating Wavelength, nm	850,1300	
Light Source Type	LED	
Grade	Super (S)	High (H)
Maximal Excess Loss, dB	0.7	1.0
Uniformity, dB (at specified wavelength)	0.7	1.0
Thermal Stability, dB (peak-peak)	≤0.20	≤0.25
Port Configuration	1 x 2 or 2 x 2	
Insertion Loss, dB	Please refer to the coupling ratio vs. insertion loss chart	
Directivity, dB	≥35	
Reflectance, dB	≥35	
Operating Temperature, °C	-40 ~ +85 (*)	
Storage Temperature, °C	-55 ~ +85	
Package Options (for different pigtailed)	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: 1. The packaging option codes are explained in Appendix.

2. * 0°C ~ +70°C for 900μm, 2.0mm, or 3.0mm cable.

3. Coupling ratio option: 1:99 to 50:50

Coupling Ratio VS. Insertion Loss:

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

Note: 1. * Without Connector Loss Appendix.

2. * Test under LED.

STANDARD MULTIMODE COUPLERS

Ordering Information:

C - NM - - - - - - /

Fiber Type

C	50/125μm	G	50/125μm OM3
D	62.5/125μm	H	50/125μm OM4
X	Others, please specify		

Package Option

C	T5 with coated fiber
D	MA/MB/M3 with coated fiber
L	TA with loose tube cable
M	MA/MB/M3 with loose tube cable
O	A1 with PVC 2.0mm cable
Q	A1 with PVC 3.0mm cable
R	MA/MB/M3 with PVC 3.0mm cable
S	MA/MB/M3 with adaptors
X	Others, please specify

Coupling Ratio

01 - 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

85	850nm
13	1310nm
RX	1300nm

Connector Type (Input / Output)

FC	FC type	SC	SC type
ST	ST type	LC	LC type
MU	MU type	NC	None
XX	Others, please specify		