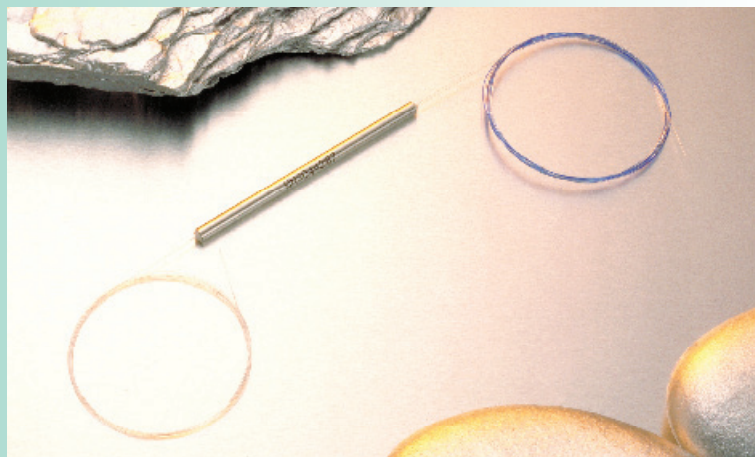


# M-FM Thin Film Filter type Multimode Splitter



## Performance Specifications:

ITEM		Gigabit Multimode Couplers
Operating Wavelength, nm		850 or 1310 or 1550
Port Configuration		1 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		≥25
Reflectance, dB		≥25
Operating Temperature, °C		-20 ~ +70 (*)
Storage Temperature, °C		-40 ~ +85
Package Options (for different pigtail)	1. Coated fiber (250 μm)	Φ3.8x32mm metal tube
	2. Loose tube (900 μm)	Φ3.8x32mm metal tube
	3. PVC cable (2.0/3.0mm)	A1(100x12x10mm) package

Note: 1. The packaging option codes are explained in Packaging Dimensions below.

2. \* -20°C ~ +70°C for PVC cable.

## Coupling Ratio VS. Insertion Loss:

Coupling Ratio (%)	Insertion Loss (dB)	
	Without Connector	With Connector
R50/ T50	4.2/4.2	4.5/4.5
R60/ T40	2.8/4.8	3.1/5.1
R70/ T30	2.1/6.2	2.4/6.5
R67/ T33	2.4/6.0	2.7/6.3
R80/ T20	1.6/7.8	1.8/8.1
R90/ T10	1.1/11.2	1.3/11.5
R95/ T05	0.7/14.2	1.0/14.5
R98/ T02	0.5/20.0	0.8/20.3
R99/ T01	0.4/22.0	0.7/22.3

# Thin Film Filter type Multimode Splitter

## Ordering Information:

M - FM -   -       -     -    -   -   -   -

Fiber Type			
C	OM2 50/125μm	D	OM1 62.5/125μm
G	OM3 50/125μm	H	OM4 50/125μm
X	Others, please specify		
Package Option			
C	coated fiber		
L	loose tube		
O	PVC 2.0mm cable		
Q	PVC 3.0mm cable		
X	Others, please specify		
Coupling Ratio			
R50T50 50% Reflect and 50% Pass			
R70T30 70% Reflect and 30% Pass			
Pigtail Length (for each port, m)			
0001	1.0 m	X050	0.5 m
X150	1.5 m	0002	2.0 m
0000	Modulized	XXXX	others, please specify
Wavelength			
V85	VCSEL 850nm		
L85	LED 850nm		
E85	EF compliant LED 850nm		
L35	LD 1310 and 1550 nm		
Connector Type Common/ Reflect/Pass)			
FC	FC type	SC	SC type
ST	ST type	LC	LC type
MU	MU type	AS	SC/APC type
AP	FC/APC type	AL	LC/APC type
XX	Others, please specify		