

Multimode Fused Coupler/Splitter

FEATURES

- Low Excess Loss
- Variety Coupling Ratio
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- LAN WAN Systems
- Signal Monitoring
- Network Monitoring
- CATV
- Test Equipments



SPECIFICATIONS

Parameter	Unit	Single Window	Dual Window
Center Wavelength	nm	460, 532, 650, 793, 830, 850, 976, 1030, 1064, 1080, 1120 1310, 1550, 1625	850 & 1310
Bandwidth	nm	+/-10	
Insertion Loss	1/99	dB	21.2/0.55
	2/98	dB	17.5/0.60
	5/95	dB	14.5/0.70
	10/90	dB	11.3/1.1
	20/80	dB	7.9/1.6
	30/70	dB	6.0/2.2
	40/60	dB	4.8/2.9
50/50	dB	3.9/3.9	5.0/5.0
Uniformity (50:50 Ratio)	dB	≤1.0	
Directivity	dB	≥40	
Fiber Type	-	50/125um (OM2) or 62.5/125um (OM1) MM Fiber 50/125um OM3 MM Fiber (3) or OM4 MM Fiber(4) 105/125um MM Fiber, NA=0.12(D), 0.15(B), 0.22(A)	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package	Stainless Steel Tube(SST)	mm	Φ3.0x ^L 54
Dimension	Plastic Box		L90x ^W 20x ^H 10

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.3dB higher, RL is 10dB lower.

3. Specifications are tested at low order modes.

4. Devices for higher optical power or with other type fiber or consigned fiber are also available.

5. Package size may be different for different optical power and fiber type.

ORDERING INFORMATION (PN)

FMCL - NNNN	- NN	N	(C)	- (C)	N	C	NN	- CC/GCC
Center Wavelength	Coupling Ratio	Configuration	Laser Type	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
850=850nm	01=1% Ratio	1=1x2 Type	V-VCSL	B=Plastic Box	5=50/125um MM Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
1310=1310nm	05=5% Ratio	2=2x2 Type	Blank for LED	Blank for SSL Tube	6=62.5/125um MM Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1550=1550nm	20=20% Ratio				3= OM3 MM Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
8513=850&1310nm	50=50% Ratio				A= 105/125um, NA=0.22	3= 3mm Cable	20=2.0m	SC/UFC=SC/UFC Connector