

## 460~690nm 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	Value	
Center Wavelength	nm	488, 532, 635, 650, 660, 690	
Bandwidth	nm	+/-10	
Insertion Loss	5/95	dB	16.5/1.6
	10/90	dB	12.5/2.0
	20/80	dB	9.2/2.3
	30/70	dB	7.3/3.3
	40/60	dB	6.0/4.0
	50/50	dB	5.0/5.0
Uniformity (50:50 Ratio)	dB	≤1.0	
Directivity	dB	≥30	
Fiber Type	-	50/125um or 62.5/125um MM Fiber 50/125um MM OM3 Fiber	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube	mm	(Φ)3.0x54 for Bare Fiber
			(Φ)3.0x70 for 900um Loose Tube
	Plastic Box-P		(L)90x(W)16x(H)9

- 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. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  5. Devices for higher optical power or with other type fiber or consigned fiber are also available.
  6. Package size may be different for different optical power and fiber type.

### ORDERING INFORMATION (PN)

FMCL-NNN	- NN	N	- C	N	C	NN	-CC/CCC
Center Wavelength	Coupling Ratio.	Configuration	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
488-488nm	01- 1% Ratio	1- 1x2 Type	S=SSL Tube	5- 50/125um MM Fiber	B- Bare Fiber	05=0.5m	N=Without Connector
532-532nm	05- 5% Ratio	2- 2x2 Type	P=Plastic Box	6- 62.5/125um MM Fiber	L- Loose Tube	10=1.0m	FC/APC=FC/APC Connector
635-635nm	10- 10% Ratio			3- OM3 MM Fiber	2- 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
650-650nm	50- 50% Ratio				3- 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector