

## Multimode Fused Coupler/Splitter for Pulse Power

### 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	
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 Average Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50, 80, 100, 200, 300		
Max. Peak Power for Pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20		
Operating Temperature	°C	0~50		
Storage Temperature	°C	-40~85		
Package	Stainless Steel Tube(SST)	mm	Φ3.0xL54	
Dimension	Metal Box		C: L70x <sup>W</sup> 12x <sup>H</sup> 8 D2: L100x <sup>W</sup> 16x <sup>H</sup> 9.5	

- 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. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  4. Specifications are tested at low order modes.
  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-NNNN	- NN	N	-H NN	P NN	- (C)	N	C	NN	- CC/CCC
Center Wavelength	Coupling Ratio	Configuration	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
850-850nm	01- 1% Ratio	1- 1x2 Type	03- 300mW	01- 100W	C-Metal Box C	5- 50/125um MM Fiber	B- Bare Fiber	05-0.5m	N -Without Connector
1310-1300nm	05- 5% Ratio	2- 2x2 Type	5-5W	5-5kW	D2-Metal Box D2	6- 62.5/125um MM Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector
1550-1550nm	10- 10% Ratio		10-10W	10-10kW	Blank for SST	3- OM3 MM Fiber	2- 2mm Cable	15-1.5m	LC/PC =LC/PC Connector
8513-850&1310nm	50- 50% Ratio		30- 30W	20- 20kW		A- 105/125um, NA=0.22	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector

