

## 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	
Operating Wavelength	nm	800-1600		
Center Wavelength	nm	850, 1300, 1550	850 & 1300	
Insertion Loss	1/99	dB	21.2/0.55	22.2/0.75
	2/98	dB	17.5/0.60	18.0/0.80
	5/95	dB	14.5/0.70	15.0/0.90
	10/90	dB	11.3/1.1	11.5/1.3
	20/80	dB	7.9/1.6	8.1/1.8
	30/70	dB	6.0/2.2	6.2/2.4
	40/60	dB	4.8/2.9	5.0/3.1
	50/50	dB	3.9/3.9	4.0/4.0
Uniformity (50:50 Ratio)	dB	≤1.0		
Directivity	dB	≥40		
Fiber Type	-	50/125um or 62.5/125um MM Fiber 50/125um MM OM3 Fiber 100/140um MM Fiber, NA=0.29		
Fiber Tensile Load	N	5		
Maximum Optical Power (CW)	mW	300		
Operating Temperature	°C	0~70		
Storage Temperature	°C	-40~85		
Package	Stainless Steel Tube	mm	(Φ)3.0x54	
Dimension	Plastic Box		(L)98x(W)14x(H)8.5	

- 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. Specifications are tested at low order modes.
  4. Devices for higher optical power or with other type fiber or consigned fiber are also available.

### ORDERING INFORMATION (PN)

<b>FMCL - NNNN</b>	-	<b>NN</b>	<b>N</b>	<b>C</b>	-	<b>N</b>	<b>C</b>	<b>NN</b>	-	<b>CC/CCC</b>
<i>Center Wavelength</i>		<i>Coupling Ratio</i>	<i>Configuration</i>	<i>Package</i>		<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>		<i>Connector Type</i>
850-850nm		01- 1% Ratio	1- 1x2 Type	S=SSL Tube		5=50/125um MM Fiber	B= Bare Fiber	05=0.5m		N=Without Connector
1300-1300nm		05- 5% Ratio	2- 2x2 Type	B=Box		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&1300nm		50- 50% Ratio				4=100/140um MM Fiber	3= 3mm Cable	20=2.0m		SC/UPC=SC/UPC Connector