

## Multimode High Power Optical Filter Coupler

### FEATURES

- Low Excess Loss
- Various Splitting Ratio
- Wide Passband
- High Stability and Reliability
- Epoxy Free Optical Path

### APPLICATIONS

- Optical Amplifier
- Optical Networks
- Power Monitoring
- Fiber Sensor
- Lab



### SPECIFICATIONS

Parameter	Unit	1x2 Type			2x2 Type		
Center Wavelength	nm	1310, 1480, 1550, 1590					
Bandwidth	nm	+/-40 or customer specify					
Split Ratio	-	1:99	2:98	5:95	10:90	40:60	50:50
Tap Ratio	-	1±0.5%	2±0.6%	5±1.0%	10%	40%	50%
Excess Loss	Max.	dB			1.0		
Uniformity	Max.	dB			0.8		
Optical Return Loss	dB	≥35					
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(C), 0.15(B), 0.22(A)					
Fiber Tensile Load	N	5					
Max. Optical Power (CW)	mW	1, 2, 3, 5, 10, 15, 20, 25, 30, 50, 60					
Operating Temperature	°C	0~50					
Storage Temperature	°C	-40~85					
Package	Stainless Steel Tube (SST)	mm	∅5.5x <sup>L</sup> 38 (≤5W); ∅6.0x <sup>L</sup> 50 (5~10W)				
Dimension	Metal Box	mm	H: <sup>L</sup> 90x <sup>W</sup> 12x <sup>H</sup> 10 (>10W); M: <sup>L</sup> 120x <sup>W</sup> 12x <sup>H</sup> 10 (≤10W)				

- 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 with other wavelength range are also available per request.
  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 fiber type and configurations.

### ORDERING INFORMATION (PN)

FMFC-NNNN	- NN	N	-HPNN	-(C)	C	C	NN	-CC/CCC
Wavelength	Split Ratio	Type	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1310-1310nm	01=1/99	1=1x2	1=1W	M= Metal Box	5= 50/125um MM Fiber	B= Bare fiber	05=0.5m	N=Without Connector
1480-1480nm	05=5/95	2=2x2	2=2W	Blank for SST	6= 62.5/125um MM Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1550-1550nm	10=10/90		10=10W	or >10W	3= OM3 MM Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1590-1590nm	50=50/50		25=25W		A= 105/125um, NA=0.22 B=105/125um, NA=0.15	3= 3mm Cable	20=2.0m	SC/APC=SC/APC Connector