

Multimode 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	+/-40nm 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	0.8			1.0		
Uniformity	Max.	dB	0.6			0.8		
Optical Return Loss		dB	≥35					
Fiber Type		-	50/125um (OM2) or 62.5/125um (OM1) MM 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	300					
Operating Temperature		°C	0~70					
Storage Temperature		°C	-40~85					
Package	Stainless Steel Tube (SST)	mm	∅5.5x ^L 35					
Dimension	Metal Box	mm	^L 120x ^W 12x ^H 10					

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 10dB lower.
 - Specifications are tested at low order modes.
 - Devices with other wavelength range are also available per request.
 - Devices for higher optical power or with other type fiber or consigned fiber are also available.

ORDERING INFORMATION (PN)

FMFC -NNNN	-	NN	N	-(C)	C	C	NN	- CC/CCC
Wavelength		Split Ratio	Type	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1310~1310nm		01~1/99	1~1x2	M-Metal Box	5~50/125um MM Fiber	B= Bare Fiber	05~0.5m	N=Without Connector
1480~1480nm		05~5/95	2~2x2	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			3~ OM3 MM Fiber	2~ 2mm Cable	15~1.5m	LC/PC=LC/PC Connector
1590~1590nm		50~50/50			A=105/125um NA=0.22	3~ 3mm Cable	20~2.0m	SC/UPC=SC/UPC Connector
					B=105/125um NA=0.15			