

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		
Uniformity	Max.	dB			0.6		
Optical Return Loss	dB	≥35					
Fiber Type	-	50/125um or 62.5/125um MM Fiber 50/125um MM OM3 Fiber 105/125um MM Fiber					
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:**
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.

ORDERING INFORMATION (PN)

FMFC	-NNNN	-	NN	N	- (C)	C	C	NN	- CC/CCC
<i>Wavelength</i>	<i>Split Ratio</i>	<i>Type</i>	<i>Package</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>		
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/UFC=SC/UFC Connector		
				B-105/125um NA=0.15					