

1020~1160nm 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	1020, 1030, 1040, 1053, 1064 1070, 1080, 1092, 1103, 1120, 1150					
Bandwidth	nm	+/-20nm 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			1.4		
Uniformity Max.	dB	0.8			1.0		
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	∅5.5xL35				
Dimension	Metal Box	mm	L120xW12xH10				

- 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
Wavelength		Split Ratio	Type	Package	Fiber Type	Fiber Sleeve	Fiber Length		Connector Type
1030-1030nm		01=1/99	1=1x2	M= Metal Box	5=50/125um MM Fiber	B= Bare Fiber	05=0.5m		N=Without Connector
1064-1064nm		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
1080-1080nm		10=10/90			3= OM3 MM Fiber	2= 2mm Cable	15=1.5m		LC/PC=LC/PC Connector
1120-1120nm		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				