

1020~1160nm Multimode Optical Filter Coupler for Pulse Power

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	+/-20 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 or 62.5/125um MM Fiber 50/125um MM OM3 Fiber 105/125um MM Fiber					
Fiber Tensile Load	N	5					
Max. Average Power	mW	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 50, 60					
Max. Peak Power for Pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20					
Operating Temperature	°C	0~50					
Storage Temperature	°C	-40~85					
Package	Stainless Steel Tube (SST)	mm	∅5.5x ^L 35 (≤5W); ∅6.0x ^L 50 (5~10W)				
Dimension	Metal Box	mm	L ⁹⁰ x ^W 12x ^H 10 (>10W); L ¹²⁰ x ^W 12x ^H 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	-H NN	P NN	-(C)	C	C	NN	- CC/CCC
Wavelength	Split Ratio	Type	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
1030-1030nm	01-1/99	1-1x2	03-300mW	01-100W	M-Metal Box	5- 50/125um MM Fiber	B- Bare fiber	05-0.5m	N-Without Connector	
1064-1064nm	05-5/95	2-2x2	1- 1W	1- 1kW	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		5- 5W	5- 5kW	or >10W	3- OM3 MM Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector	
1120-1120nm	50-50/50		10-10W	10-10kW		A- 105/125um, NA=0.22 B-105/125um, NA=0.15	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector	