

## 915~990nm 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	915, 930, 940, 950 975, 980, 990, 1000						
Bandwidth	nm	+/-15 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			1.2			1.5
Uniformity	Max.	dB			1.0			1.2
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						
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 <sup>L</sup> 35 (≤5W); ∅6.0x <sup>L</sup> 50 (5~10W)					
Dimension	Metal Box	mm	<sup>L</sup> 90x <sup>W</sup> 12x <sup>H</sup> 10 (>10W); <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 - <b>NNN</b>	- <b>NN</b>	<b>N</b>	- <b>HNN</b>	<b>PNN</b>	- ( <b>C</b> )	<b>C</b>	<b>C</b>	<b>NN</b>	- <b>CC/CCC</b>
Wavelength	Split Ratio	Type	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
915-915nm	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
930-930nm	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
975-975nm	10-10/90		5- 5W	5- 5kW	or >10W	3- OM3 MM Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
990-990nm	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