

## 900~990nm Multimode Fiber Collimator

### FEATURES

- High Return Loss
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

### APPLICATIONS

- Optical Isolator
- Optical Circulator
- Optical Components
- WDM Assembly
- Laboratory R&D



### SPECIFICATIONS

Parameters	Unit	Single Fiber	Dual Fiber	
Center Wavelength	nm	915, 930, 940, 950, 975, 980, 990, 1000		
Bandwidth	nm	+/- 10		
Working Distance (WD)	mm	5, 10, 15, 20, 30, 50		
Insertion Loss (WD=5mm)	Typ.	dB	0.40	0.50
	Max.	dB	0.60	0.80
Return Loss	dB	≥30	≥25	
Lens Type	-	C-Lens, GRIN Lens or Aspherical-Lens		
Fiber Type	-	50/125um GIMM Fiber(5) or 62.5/125um GIMM Fiber(6) 50/125um GIMM OM3 Fiber(3) or 106.5/125um NA=0.22(J) 105/125um NA=0.12(D), NA=0.15(B) or NA=0.22(A)		
Fiber Sleeve	-	250um Bare Fiber or 900um Loose Tube		
Fiber Length	m	1.0, 1.5 or customer specify		
Maximum Optical Power (CW)	mW	300		
Operating Temperature	°C	0~50		
Storage Temperature	°C	-40~85		
Package Dimension	mm	$\phi$ 3.2x <sup>L</sup> 10 for Metal Tube $\phi$ 2.78x <sup>L</sup> 9 for Glass Tube		

- 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 for higher optical power or with other type fiber or consigned fiber are also available.
  5. Package size may be different for different lens and optical power.

### ORDERING INFORMATION (PN)

FMCO-NNN	- C	NNN	- C	C	C	- C	C	NN	- CC/CCC
Wavelength	Type	WD	Package	Housing	Lens Type	Fiber Type	Fiber Sleeve	Fiber Length	Connector
915-915nm	S- Single Fiber	005- 5mm	S- Standard	M- Metal	G-Grin Lens	5- 50/125um MM Fiber	B-Bare Fiber	05-0.5m	N= None
930-930nm	D- Dual Fiber	010-10mm		G- Glass	C=C-lens	6- 62.5/125um MM Fiber	L-Loose Tube	10-1.0m	SC/PC= SC/PC Connector
975- 975nm		015- 15mm			A=Aspherical	A- 105/125um, NA=0.22		15-1.5m	FC/APC=FC/APC Connector
1000- 1000nm		020- 20mm				B=105/125um, NA=0.15		20-2.0m	LC/APC=LC/APC Connector