

## High Power Multimode Single 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
Center Wavelength	nm	1310, 1480, 1550, 1310&1550, 1590
Bandwidth	nm	+/-20
Working Distance (WD)	mm	5, 10, 15, 20, 30, 50
Insertion Loss (WD=5mm)	Typ.	0.40
	Max.	0.60
Return Loss	dB	≥30
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	1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package Dimension	mm	Φ3.2x <sup>L</sup> 10 for Metal Tube Φ2.78x <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. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  4. Specifications are tested at low order modes.
  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 lens and optical power.

### ORDERING INFORMATION (PN)

FMCO-NNNN	-S	NNN	-C	C	C	-HP	NN	-C	C	NN	-CC/CCC
Wavelength	WD	Package	Housing	Lens Type	Optical Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector		
1310= 1310nm	005= 5mm	S= Standard	M= Metal	G=Grin Lens	1= 1W	5= 50/125um MM Fiber	B=Bare Fiber	05=0.5m	N= None		
1480=1480nm	010=10mm		G= Glass	C=C-lens	2= 2W	6= 62.5/125um MM Fiber	L=Loose Tube	10=1.0m	SC/PC= SC/PC Connector		
1550= 1550nm	015= 15mm			A=Aspherical	5= 5W	A= 105/125um, NA=0.22		15=1.5m	FC/APC=FC/APC Connector		
1315= 1310&1550nm	020= 20mm				10=10W	B=105/125um, NA=0.15		20=2.0m	LC/APC=LC/APC Connector		