900~990nm Multimode Single Fiber Collimator for Pulse Power

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	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
	Max.	dB	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
Max. Average Optical Power		W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100
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 Dimension		mm	Φ3.2xL10 for Metal Tube Φ2.78xL9 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-NNN -SNNN - C C C -H NN P NN - C C NN -CC/CCC

Wavelength	*WD*	*Package*	*Housing*	*Lens Type*	*Average Power*	*Peak Power*	*Fiber Type*	*Fiber Sleeve*	*Fiber Length*	*Connector*
915= 915nm	005= 5mm	S= Standard	M= Metal	G=Grin Lens	03=300mW	01=100W	5= 50/125um MM Fiber	B=Bare Fiber	05=0.5m	N= None
930=930nm	010=10mm		G= Glass	C=C-lens	1= 1W	1= 1kW	6= 62.5/125um MM Fiber	L=Loose Tube	10=1.0m	SC/PC= SC/PC Connector
975= 975nm	015= 15mm			A=Aspherical	5= 5W	5= 5kW	A= 105/125um, NA=0.22		15=1.5m	FC/APC=FC/APC Connector
1000= 1000nm	020= 20mm				10=10W	10=10kW	B=105/125um, NA=0.15		20=2.0m	LC/APC=LC/APC Connector