

900~950nm 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
Working Wavelength	nm	915, 930, 940, 950	
Bandwidth	nm	+/-10	
Working Distance (WD)	mm	5, 10, 15, 20, 30, 50	
Insertion Loss (WD=5mm)	Typ.	0.35	0.45
	Max.	0.55	0.65
Return Loss	dB	≥50	
Lens Type	-	C-Lens, GRIN Lens or Aspherical-Lens	
Fiber Type	-	780-HP Fiber (7), HI780 Fiber, HI1060 Fiber or 10/125um SC Fiber (E) 10/125um DC Fiber (O), 15/130um DC Fiber (W) 20/130um DC Fiber (Q) or 25/250um DC Fiber (R)	
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	Φ3.2x ^L 10 for Metal Tube	
		Φ2.78x ^L 9 for Glass Tube	

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.7dB higher, RL is 5dB lower.
 3. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.
 4. Package size may be different for different lens and optical power.

ORDERING INFORMATION (PN)

FCOL-NNN	-	C		NNN	-	C		C		(C)		C		NN	-	CC/CCC		
<i>Wavelength</i>		<i>Type</i>		<i>WD</i>		<i>Package</i>		<i>Housing</i>		<i>Lens Type</i>		<i>Fiber Type</i>		<i>Fiber Sleeve</i>		<i>Fiber Length</i>		<i>Connector</i>
915-915nm		S= Single Fiber		005= 5mm		S= Standard		M= Metal		G=Grin Lens		H=HI1060 Fiber		B=Bare Fiber		05=0.5m		N= None
930-930nm		D= Dual Fiber		010=10mm				G= Glass		C=C-lens		E=10/125 SC Fiber		L=Loose Tube		10=1.0m		SC/PC= SC/PC Connector
940-940nm				020= 20mm				A=Aspherical Lens				R=25/250 DC Fiber				15=1.5m		FC/APC=FC/APC Connector
950-950nm				050= 050mm								Blank for HI780 Fiber				20=2.0m		LC/UPC=LC/UPC Connector