



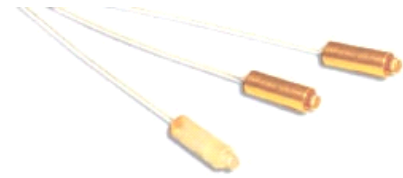
780~1064nm Fiber Collimator

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	780, 850, 980, 1030, 1064	
Working Distance (WD)	mm	5, 20, 50	
Insertion Loss (WD=5mm)	Typ.	0.30	0.30
	Max.	0.35	0.40
Return Loss	dB	≥50	
Lens Type	-	C-Lens or GRIN Lens	
Fiber Type	-	HI780 Fiber for 780nm, 850nm HI1060 Fiber for 980nm ~ 1064nm	
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	(Φ)3.2x10 for Metal Tube (Φ)2.78x9 for Glass Tube	

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.5dB higher, RL is 5dB lower.
 3. Devices for higher optical power or with other type fiber or consigned fiber are also available.
 4. Insertion loss for 780nm, 850nm is 0.2dB higher or 0.7dB higher if with connector.

ORDERING INFORMATION

FCOL-	C	NNN	-	NNNN	-	C	C	C	-	C	NN	-	CC/CCC
Type	WD	Wavelength	Lens OD	Housing	Lens Type	Fiber Sleeve	Fiber Length	Connector.					
S= Single Fiber	005= 5mm	850= 850nm	S= 1.8mm	M= Metal	G=Grin Lens	B=Bare Fiber	10=1.0m	N= None					
D= Dual Fiber	020= 20mm	980= 980nm		G= Glass	C=C-lens	L=Loose Tube	15=1.5m	SC/PC= SC/PC Connector					
	100= 100mm	1064= 1064nm						FC/APC=FC/APC Connector					