

750~890nm 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	750, 780, 793, 808, 830, 850, 860, 870, 890	
Bandwidth	nm	+/-10	
Working Distance (WD)	mm	5, 10, 15, 20, 30, 50	
Insertion Loss (WD=5mm)	Typ.	0.45	0.50
	Max.	0.65	0.80
Return Loss	dB	≥50	
Lens Type	-	C-Lens, GRIN Lens or Aspherical-Lens	
Fiber Type	-	HI780 Fiber or 780HP Fiber	
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.
 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>		
780~ 780nm		S= Single Fiber	005= 5mm	S= Standard	M= Metal	G=Grin Lens	7=780-HP Fiber	B=Bare Fiber	05=0.5m	N= None		
800~ 800nm		D= Dual Fiber	010=10mm		G= Glass	C=C-lens	Blank for HI780 Fiber	L=Loose Tube	10=1.0m	SC/PC= SC/PC Connector		
830~830nm			020= 20mm			A=Aspherical Lens			15=1.5m	FC/APC=FC/APC Connector		
850~850nm			050= 50mm						20=2.0m	LC/UPC=LC/UPC Connector		