

780~1064nm High Power 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
Working Wavelength		nm	780, 800, 830, 850
Working Distance (WD)		mm	5, 20, 50
Insertion Loss (WD=5mm)	Typ.	dB	0.45
	Max.	dB	0.60
Return Loss		dB	≥50
Lens Type		-	C-Lens or G-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
Max. Optical Power (CW)		W	1, 2, 3, 5, 10
Operating Temperature		°C	0~50
Storage Temperature		°C	-40~85
Package Dimension	1.8mm Lens	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 0.7dB higher, RL is 5dB lower.
 3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 4. Devices for higher optical power or with other type fiber or consigned fiber are also available.

ORDERING INFORMATION (PN)

FCOL- NNNN	- S	NNN	- C	C	C	- HP NN	- C	NN	- CC/CCC
<i>Wavelength</i>	<i>WD</i>	<i>Lens OD</i>	<i>Housing</i>	<i>Lens Type</i>	<i>Optical Power</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector</i>	
780- 780nm	005- 5mm	S- 1.8mm	M- Metal	G-Grin Lens	1- 1W	B-Bare Fiber	05-0.5m	N- None	
800- 800nm	010- 10mm		G- Glass	C-C-lens	2- 2W	L-Loose Tube	10-1.0m	SC/PC- SC/PC Connector	
830- 830nm	020- 20mm				5- 5W		15-1.5m	FC/APC-FC/APC Connector	
850- 850nm	050- 50mm				10-10W		20-2.0m	LC/UPC-LC/UPC Connector	