

## 750~890nm 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
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
	Max.	0.65
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
Max. Optical Power (CW)	W	1, 2, 3, 5, 10
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 0.7dB 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.
  5. Package size may be different for different lens and optical power.

### ORDERING INFORMATION (PN)

FCOL	NNNN	-SNNN	-	C	C	C	-HP	NN	- (C)	C	NN	-	CC/CCC
Wavelength	WD	Package	Housing	Lens Type	Optical Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector				
780=780nm	005=5mm	S= Standard	M= Metal	G=Grin Lens	1= 1W	7=780-HP Fiber	B=Bare Fiber	05=0.5m	N= None				
800=800nm	010=10mm		G= Glass	C=C-lens	2= 2W	Blank for HI780 Fiber	L=Loose Tube	10=1.0m	SC/PC= SC/PC Connector				
830=830nm	020=20mm			A=Aspherical Lens	5= 5W			15=1.5m	FC/APC=FC/APC Connector				
850=850nm	050=50mm				10=10W			20=2.0m					