

750~890nm Single Fiber Collimator for Pulse Power

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. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package Dimension	mm	∅3.2x ^L 10 for Metal Tube ∅2.78x ^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. 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- NNN	- SNNN	- C	C	C	- H	NN	P	NN	- (C)	C	NN	- CC/CCC
Wavelength	WD	Package	Housing	Lens Type	Average Power	Peak Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector		
780-780nm	005-5mm	S-Standard	M-Metal	G-Grin Lens	03-300mW	01-100W	7-780-HP Fiber	B-Bare Fiber	05-0.5m	N=None		
800-800nm	010-10mm		G-Glass	C-C-lens	1-1W	1-1kW	Blank for HI780 Fiber	L-Loose Tube	10-1.0m	SC/PC=SC/PC Connector		
830-830nm	020-20mm			A-Aspherical Lens	5-5W	5-5kW			15-1.5m	FC/APC=FC/APC Connector		
850-850nm	050-50mm				10-10W	10-10kW			20-2.0m	LC/UPC=LC/UPC Connector		