

460-690nm 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	488, 532, 630, 650, 660, 690	
Bandwidth	nm	+/-10	
Working Distance (WD)	mm	5, 10, 15, 20, 30, 50	
Insertion Loss (WD=5mm, For Pair)	Typ.	0.8	0.9
	Max.	1.4	1.6
Return Loss	dB	≥50	
Lens Type	-	C-Lens, GRIN Lens or Aspherical-Lens	
Fiber Type	-	Nufern 460-HP Fiber for 488-532nm Nufern 630-HP Fiber for 630-650nm	
Fiber Sleeve	-	250um Bare Fiber or 900um Loose Tube	
Fiber Length	m	1.0, 1.5 or customer specify	
Maximum Optical Power (CW)	mW	30	
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 0.9dB 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)

FCO L-	NNN	-	C	NNN	-	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 Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>
488-488nm			S= Single Fiber	005= 5mm		S= Standard	M= Metal		G=Grin Lens	B=Bare Fiber	05=0.5m	N= None
532- 532nm			D= Dual Fiber	010=10mm			G= Glass		C=C-lens	L=Loose Tube	10=1.0m	SC/PC= SC/PC Connector
630-630nm				015= 15mm					A=Aspherical Lens		15=1.5m	FC/APC=FC/APC Connector
650- 650nm				020= 20mm							20=2.0m	SC/UPC=SC/UPC Connector