



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
Working Wavelength	nm	1310, 1550, 1310&1550	
Working Distance (WD)	mm	5, 20, 50, 100	
Insertion Loss (WD=5mm)	Typ.	0.20	0.20
	Max.	0.25	0.30
Return Loss	dB	65	60
Lens Type	-	C-Lens or G-Lens	
Fiber Type	-	SM Fiber or customer specify	
Fiber Sleeve	-	250um Bare Fiber or 900um Loose Tube	
Fiber Length	m	Per request	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	
Package Dimension	1.8mm Lens	mm	(Dia.) 3.2x10 for Metal Tube (Dia.) 2.78x9 for Glass Tube
	1.0mm Lens	mm	(Dia.) 1.7x7 for Metal Tube (Dia.) 1.8x7 for Glass Tube

- Note:**
1. Specifications are for devices without the connectors
 2. For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower.
 3. Devices for higher optical power and pulse power are also available per request.

ORDERING INFORMATION

FCOL- C	NNN - NNNN	- C	C	C	- C	NN - CC/CC		
Type	WD	Wavelength	Lens OD	Housing	Lens Type	Fiber Sleeve	Fiber Length	Connector.
S= Single Fiber	005= 5mm	1310= 1310nm	S= 1.8mm	M= Metal	G=Grin Lens	B=Bare Fiber	10=1.0m	N= None
D= Dual Fiber	020= 20mm	1550= 1550nm	M= 1.0mm	G= Glass	C=C-lens	L=Loose Tube	15=1.5m	SC/PC= SC/PC Connector
	100= 100mm	1315= 1310&1550nm					20=2.0m	FC/APC=FC/APC Connector