

## 1020~1160nm Multimode 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	1020, 1030, 1040, 1053, 1064, 1070 1080, 1092, 1103, 1120, 1150	
Bandwidth	nm	+/-10	
Working Distance (WD)	mm	5, 10, 15, 20, 30, 50	
Insertion Loss (WD=5mm)	Typ.	0.40	0.50
	Max.	0.60	0.80
Return Loss	dB	≥30	≥25
Lens Type	-	C-Lens, GRIN Lens or Aspherical-Lens	
Fiber Type	-	50/125um GIMM Fiber(5) or 62.5/125um GIMM Fiber(6) 50/125um GIMM OM3 Fiber(3) or 106.5/125um NA=0.22(J) 105/125um NA=0.12(D), NA=0.15(B) or NA=0.22(A)	
Fiber Sleeve	-	250um Bare Fiber or 900um Loose Tube	
Fiber Length	m	1.0, 1.5 or customer specify	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	mm	∅3.2x <sup>L</sup> 10 for Metal Tube ∅2.78x <sup>L</sup> 9 for Glass Tube	

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 0.3dB higher, RL is 10dB lower.
  3. Specifications are tested at low order modes.
  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)

Wavelength	Type	WD	Package	Housing	Lens Type	Fiber Type	Fiber Sleeve	Fiber Length	Connector
1020-1020nm	S- Single Fiber	005- 5mm	S- Standard	M- Metal	G-Grin Lens	5- 50/125um MM Fiber	B-Bare Fiber	05-0.5m	N= None
1030-1030nm	D- Dual Fiber	010-10mm		G- Glass	C=C-lens	6- 62.5/125um MM Fiber	L-Loose Tube	10-1.0m	SC/PC= SC/PC Connector
1064-1064nm		015- 15mm			A-Aspherical	A- 105/125um, NA=0.22		15-1.5m	FC/APC=FC/APC Connector
1150-1150nm		020- 20mm				B-105/125um, NA=0.15		20-2.0m	LC/APC=LC/APC Connector