

## High Power Single Fiber PM Collimator

### FEATURES

- High Return Loss
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability
- Low Profile Packaging

### APPLICATIONS

- Optical Isolator
- Optical Circulator
- Optical Components
- WDM Assembly
- Laboratory R&D



### SPECIFICATIONS

Parameters	Unit	Single Fiber
Center Wavelength	nm	1310, 1480, 1550, 1310&1550 1590, 1625, 1650
Bandwidth	nm	+/-20
Working Distance (WD)	mm	5, 10, 15, 20, 30, 50
Insertion Loss (WD=5mm)	Typ.	0.25
	Max.	0.35
Return Loss	dB	≥50
Lens Type	-	C-Lens, GRIN Lens or Aspherical-Lens
Extinction Ratio	Typ.	23
	Min.	20
Fiber Type	-	PM1310/1550 Panda Fiber, 10/125um PMDC Fiber (O) 12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q) 25/250um PMDC Fiber (R), 25/300um PMDC Fiber (G)
Fiber Length	m	1.0, 1.5 or customer specify
Max. Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20, 30, 40, 50
Operating Temperature	°C	0~70
Storage Temperature	°C	-40~85
Package Dimension	mm	Φ3.2x <sup>L</sup> 10 for Metal Tube Φ2.78x <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 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  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; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.
  5. Package size may be different for different lens and optical power.

### ORDERING INFORMATION (PN)

Wavelength	WD	Package	Housing	Lens	Optical Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1310-1310nm	005- 5mm	S- Standard	M- Metal	G=Grin Lens	1- 1W	2-PM1310/1550 Fiber	B-Bare Fiber	05=0.5m	N= None
1550-1550nm	010-10mm	M- Mini-size	G- Glass	C=C-lens	2- 2W	0-10/125 PMDC Fiber	L-Loose Tube	10=1.0m	SC/PC- SC/PC Connector
1315-1310&1550nm	020- 20mm			A=Aspherical Lens	5- 5W	T-12/130 PMDC Fiber		15=1.5m	FC/APC=FC/APC Connector
1650-1650nm	050- 50mm				10-10W	R-25/250 PMDC Fiber		20=2.0m	LC/UFC=LC/UFC Connector