

## 2000nm Single Fiber Collimator for Pulse Power

### 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	1900, 1930, 1950, 1970, 2000, 2030, 2050, 2070
Bandwidth	nm	+/-20
Working Distance (WD)	mm	5, 10, 15, 20, 30, 50
Insertion Loss (WD=5mm)	Typ.	0.35
	Max.	0.70
Return Loss	dB	≥50
Lens Type	-	C-Lens, GRIN Lens or Aspherical-Lens
Fiber Type	-	SMF-28 Fiber or SM1950 Fiber (V) 10/130um DC Fiber (O) or 25/250um DC Fiber (R)
Fiber Length	m	1.0, 1.5 or customer specify
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 40, 50
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20
Operating Temperature	°C	0~50
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.
  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	Average Power	Peak Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1900-1900nm	005- 5mm	S- Standard	M- Metal	G-Grin Lens	03-300mW	01-100W	V-SM1950 Fiber	B- Bare fiber	05=0.5m	N=Without Connector
1950- 1950nm	010-10mm		G- Glass	C=C-lens	1- 1W	1- 1kW	O=10/130 DC Fiber	L- Loose Tube	10=1.0m	FC/APC=FC/APC Connector
2000- 2000nm	020- 20mm			A=Aspherical Lens	5- 5W	5- 5kW	R=25/250 DC Fiber	2- 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
2050- 2050nm	050- 50mm				10-10W	10-10kW	Blank for SMF-28 Fiber	3- 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector