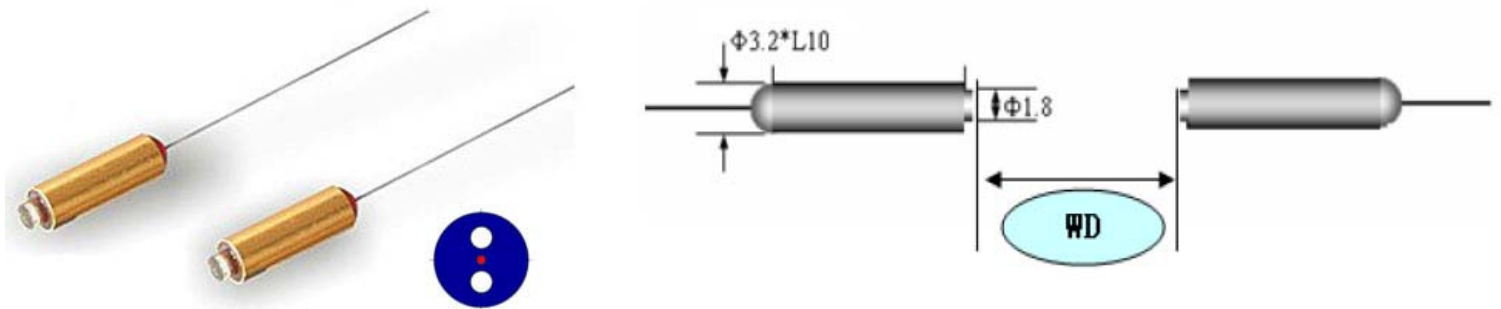




Polarization Maintaining Collimator

The Polarization Maintaining Collimator are characterized with low IL, high return loss, high extinction ratio and excellent environmental stability and reliability. They are ideal for polarization maintaining fiber amplifiers, fiber lasers, high speed communication system and instrumentation applications.

The products are Telcordia qualification tested.



Features

- ◆ Low Insertion Loss
- ◆ High Extinction Ratio
- ◆ Compact Design
- ◆ Wide Operating Wavelength
- ◆ High Reliability and Stability

Applications

- ◆ Isolators
- ◆ Circulators
- ◆ Switches
- ◆ WDM
- ◆ Signal Processing

Performance Specifications

Parameter	Value		
	Standard		Long working distance
Type			
Working Distance (mm)	<20		<100
Grade	P	A	A
Insertion Loss $\lambda_c,23$ (dB) $^{\circ}C$ (λ_c @1310&1550nm)	≤ 0.20	≤ 0.25	≤ 0.30
Insertion Loss $(\lambda_c,23)$ (dB) $^{\circ}C$ (λ_c @980&1064nm)	≤ 0.23	≤ 0.27	≤ 0.35
Extinction Ratio(dB)	≥ 25	≥ 23	≥ 22
Min. Return Loss (dB)	≥ 60		≥ 55
Fiber Type	PM Panda fiber		
Optical Power (mw)	≤ 500		
Fiber Length (m)	1.5		
Operating temperature ($^{\circ}C$)	-40~+85		
Storage temperature ($^{\circ}C$)	-40~+85		
Dimension (mm)	$\Phi 3.2 \times L10$ or $\Phi 2.4 \times L12$		

*The specifications are w/o connector.

* For devices with connectors, 0.3dB higher for IL, 5dB lower for RL and 2dB lower for ER.

* For device with connector, key aligned to slow axis.

Order information

PMCOLL-①①-②-③-④④-⑤-⑥-⑦

①①	②	③	④④	⑤	⑥⑥	⑦
wavelength	Grade	Working Distance	Beam diameter	Fiber Type	Fiber Diameter	Dimension
98:980nm 06:1064nm 13:1310nm 15:1550nm XX:Others	P:P grade A:A grade	S: <20 mm L:<100mm	00: <1 mm 01: $\Phi 1$ mm 10: $\Phi 10$ mm	0:SMF-28 1: Panda fiber X:Others	25:250um 90:900um XX: Others	1: $\Phi 3.2 \times L10$ 2: $\Phi 2.4 \times L12$ X: Others