

## Polarization Maintaining Fiber Collimator

### Features

High Extinction Ratio  
 Low Insertion Loss  
 High Return Loss

### Applications

PM Components  
 Fiber Sensors  
 Free Space Communications  
 Research

### Specifications

Parameters	Unit	Values
Center Wavelength	nm	1310 or 1550
Operating Wavelength Range	nm	±30
Working Distance	mm	5
Typ. Insertion Loss at 5mm WD	dB	0.2
Max. Insertion Loss at 5mm WD	dB	0.25
Min. Return Loss	dB	60
Typ. Extinction Ratio	dB	25
Min. Extinction Ratio	dB	23
Tensile Load	N	5
Max. Optical Power (CW)	mW	500
Fiber Type		PM Panda Fiber
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

\*Above specifications are for device without connector.

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

\*The PM fiber & connector key are aligned to the slow axis.

### Package Dimensions

	Metal Holder	Glass Tube	
	□□ (For 1.8mm Lens Dia) <input type="checkbox"/>	$\varnothing 3.2 \pm 0.02$ <input type="checkbox"/>	$\varnothing 2.78 \pm 0.01$ <input type="checkbox"/>
L (For 1.8mm Lens Dia) <input type="checkbox"/>	$10 \pm 0.1$ <input type="checkbox"/>	$9.0 \pm 0.1$ <input type="checkbox"/>	
□□ (For 1.0mm Lens Dia) <input type="checkbox"/>	$\varnothing 1.8 \pm 0.02$ <input type="checkbox"/>	$\varnothing 1.4 \pm 0.02$ <input type="checkbox"/>	
L (For 1.0mm Lens Dia) <input type="checkbox"/>	$7.0 \pm 0.1$ <input type="checkbox"/>	$7.0 \pm 0.1$ <input type="checkbox"/>	

Unit in mm

### Ordering Information

**APMC-①①-②-③-④-⑤-⑥⑥-⑦⑦-⑧-⑨**

①①: Wavelength  
 31 - 1310nm  
 55 - 1550nm  
 SS - Specify

④: Lens Type  
 G - Grin Lens  
 C - C Lens

⑦⑦: Fiber Jacket  
 B - 250um Bare Fiber  
 L - 900um Loose Tube  
 S - Specify

②: Pigtail Type  
 S - Single Fiber  
 D - Dual Fiber

⑤: Working Distance  
 1 - 5mm  
 S - Specify

⑧: Fiber Length  
 1.5 - 1.5m  
 S - Specify

③: Lens Diameter  
 1 - 1.8mm  
 2 - 1.0mm (for Single Fiber only)  
 S - Specify

⑥⑥: Connector Type  
 1 - FC/UPC  
 2 - FC/APC  
 3 - SC/UPC  
 4 - SC/APC  
 N - None  
 S - Specify

⑨: Package Type  
 1 - Metal Holder  
 2 - Glass Tube