

Polarization Maintaining Single Fiber Collimator (PMC Series)

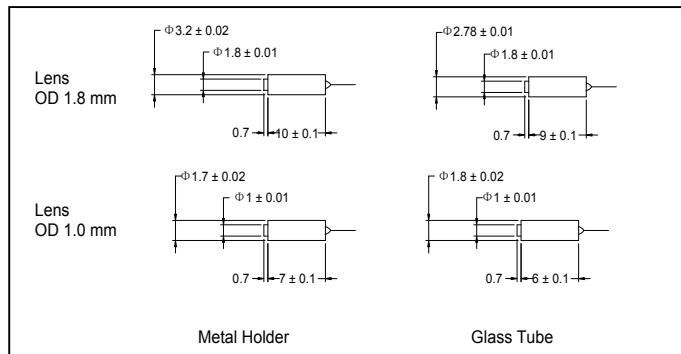
The PM Fiber Collimator is the basic element for in-line PM fiber optics components, such as PM isolator and PM FWDM. It has high extinction ratio, low insertion loss and high return loss. The unique processing and high quality AR coating also enable this collimator to handle high power.

Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	1310, 1550 or specify
Operating Wavelength Range	nm	$\lambda_c \pm 30$
Working Distance	mm	5 or specify
Typ. Insertion Loss	dB	0.20
Max. Insertion Loss	dB	0.25
Typ. Extinction Ratio	dB	25
Min. Extinction Ratio	dB	23
Min. Return Loss	dB	60
Max. Tensile Load	N	5
Fiber Type		PM Panda fiber or specify
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

*IL is 0.3 dB higher, UPC connector RL is 10 dB lower, APC connector RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

Package Dimensions



Ordering Information

PMC-①②③④⑤⑥⑦⑧⑨⑩

①: Lens Diameter 1 - 1.8 mm 2 - 1.0 mm	②: Pigtail Type 1 - Single fiber pigtail	③③: Wavelength 31 - 1310 nm 55 - 1550 nm SS - Specify	④: Holder Type 1 - Metal holder 2 - Glass tube	⑤: Working Distance 1 - 5 mm S - Specify
⑥: Connector Type 1 - FC/UPC 2 - FC/APC 3 - SC/UPC 4 - SC/APC N - None	⑦: Fiber Type B - 250 μ m bare fiber D - 400 μ m bare fiber L - 900 μ m loose tube S - Specify	⑧: Slow Axis Orientation O - For single fiber collimator	⑨: Fiber Length C - 1.5 mm S - Specify	⑩: Lens Type G - Grin lens C - C lens