

## 2000 nm Polarization Maintaining Isolator

Model #: PMI-2000

Description: The 2  $\mu\text{m}$  Polarization Maintaining Isolator is designed and manufactured according to Telcordia standard. The unique manufacturing process and optical path epoxy-free design enhance the device high power handling capability. The device is characterized with high performance, high reliability. It was designed especially for 2  $\mu\text{m}$  laser system.

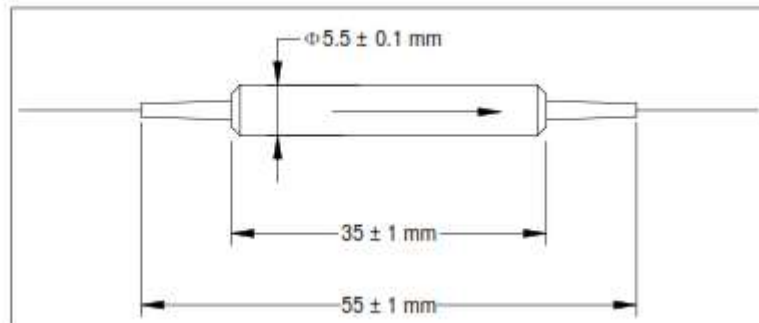
Application: Fiber amplifier, fiber laser.

Specifications:

Parameter	Unit	Specifications	
		Single Stage	Dual Stage
Central Wavelength $\lambda_c$	nm	2000	
Max. Insertion Loss ( $\lambda_c \pm 20\text{nm}$ , 23 °C, all polarization states)	dB	1.3	1.5
Min. Isolation ( $\lambda_c \pm 50\text{nm}$ , 23 °C, all polarization states )	dB	16	35
Min. Polarization Extinction Ratio	dB	18	
Min. Return Loss (Input / Output)	dB	50/50	
Max. Optical Power (CW)	W	1 or 2	
Max. Peak Power for ns Pulse	kW	10	
Max. Tensile Load	N	5	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to + 85	
Dimension	mm	5.5 (D) x 35 (L)	
Fiber Type		PM 1550 Panda fiber	

Note: each connector may contribute extra 0.3 dB IL, 5 dB lower RL and 2 dB lower ER. Keying to slow axis. The optical power is 1 W only if connector is added.

### Package Dimensions



### Order Information:

PMI- AAAA-B-C-D-E-F-G-H

AAAA: Wavelength	C: isolator stage	D: connector type	E: fiber jacket	F: fiber length	G: working axis	H: signal type
2000-2000 nm	1 – single stage	1 - FC/UPC	B – 250 $\mu\text{m}$ PM fiber	Q – 0.75 m	F – fast axis blocked	P – pulse
	2 – dual stage	2 - FC/APC	L - 900 $\mu\text{m}$ loss tube	X - other	B – both axes working	C - CW
B: power handling		3 - SC/UPC	X - other			

1 – 1 W		4 - SC/APC				
2 – 2 W		N - none				
XXXX-other		X - other				