

POLARIZATION MAINTAINING ISOLATORS

Features

- Low Optical Loss
- High Isolation
- Low Insertion Loss
- Large Aperture Features

Applications

- Fiber Optic Lasers
- Optical Transmitters & Transceivers
- Fiber Amplifiers
- Fiber Sensors

Specifications for PM Isolator		
Parameter	Values	
Stage	Single Stage	Dual Stage
Operating Wavelength (nm)	1310, 1480 or 1550	
Bandwidth (nm)	±15	
Fiber Type	Panda Fiber	
Isolation at 23°C (dB)	≥ 30	≥ 45
Insertion Loss @ 23°C (dB)	≤ 0.6	≤ 0.8
Return Loss (dB)	≥ 50	≥ 50
Extinction Ratio (dB)	≥ 23	≥ 23
Operation Temperature(°C)	-5 to +70	
Storage Temperature(°C)	-40 to +85	
Package (mm)	Ø 5.5 X L 35	

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.

Product #:

P	I	S	O	-		-	F	-			-				
				Stage Type	Wavelength		Package		Lead Length		Connector Style				
				S Single	31 1310nm	AA 250um bare fiber	10 1.0m	0 none							
				D Dual	48 1480nm	BB 900um jacket	15 1.5m	3 FC							
					55 1550nm	CC 2mm jacket	etc.	6 FC/APC							

Specifications are based on non-connectorized products. For connectorized specifications, please call sales for details. Custom optical & mechanical configurations are available upon request.

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