

Twin Polarization Maintaining Isolator

Features

High Isolation
 Low Insertion Loss
 High Extinction Ratio
 Low Cost

Applications

Fiber Optic Lasers
 Fiber Amplifiers
 Fiber Sensors
 Research

Specifications

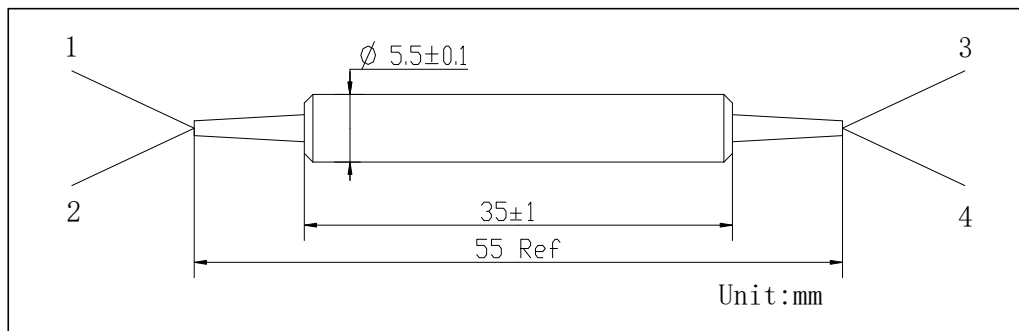
Parameters	Unit	Values	
		Single Stage	Dual Stage
Center Wavelength	nm	1310, 1480 or 1550	
Operating Wavelength Range	nm	±20	
Typ. Peak Isolation (Port 4 to Port 1, Port 3 to Port 2)	dB	42	58
Min. Isolation (Port 4 to Port 1, Port 3 to Port 2) at 23°C	dB	28	48
Typ. Insertion Loss (Port 1 to Port 4, Port 2 to Port 3) at 23°C	dB	0.45	0.55
Max. Insertion Loss (Port 1 to Port 4, Port 2 to Port 3)	dB	0.65	0.75
Min. Return Loss (Input/Output)	dB	50	50
Min. Directivity (Port 1 to Port 2, Port 3 to Port 4) at 23°C	dB	50	50
Min. Crosstalk (Port 1 to Port 3, Port 2 to Port 4) at 23°C	dB	50	50
Min. Extinction Ratio (only for B-Type)	dB	20	20
Min. Extinction Ratio (only for F-Type)	dB	22	22
Max. Optical Power (CW)	mW	500	
Max. Tensile Load	N	5	
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 and the connector key are aligned to the slow axis.

*The material must be RoHS compliant.

Package Dimensions**Ordering Information**

TPMI-①-②-③-④④④④-⑤⑤⑤⑤-⑥-⑦-⑧

①: Wavelength
 1310 - 1310nm
 1480 - 1480nm
 1550 - 1550nm
 S - Specify

②: Stage
 S - Single Stage
 D - Dual Stage

③: Axis Alignment
 F - Fast Axis Blocked
 B - Both Axis Working

④④④④: Connector Type on Port 1 & 2
 1B - FC/UPC
 2B - FC/APC (Step)
 3D - SC/UPC
 4D - SC/APC (Step)
 N - None
 S - Specify

⑤⑤⑤⑤: Fiber Jacket on Port 1 & 2
 B - Bare Fiber
 C - 900um Red Loose Tube
 S - Specify

⑥: Fiber Type
 2B - PM 1300
 3B - PM 1550
 S - Specify

⑦: Fiber Length
 0.8 - 0.8m
 S - Specify

⑧: Package Type
 01 - Ø5.5×35