



Polarization Maintaining Isolator (PMI Series)

Description

Rev 11B

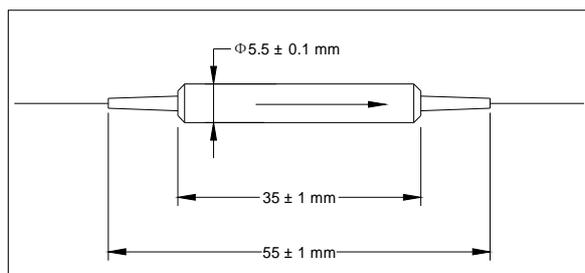
The Polarization Maintaining Isolator is characterized with low insertion loss, high isolation, high return loss, high extinction ratio and excellent environmental stability and reliability. It is ideal for polarization maintaining fiber amplifiers, fiber lasers, high speed communication systems and instrumentation applications.

Specifications

Parameter	Unit	Single Stage		Dual Stage	
		Grade P	Grade A	Grade P	Grade A
Center Wavelength (λ_c)	nm	-	1310, 1480, 1550	-	-
Min. Extinction Ratio for - F Version	dB	25	23	25	23
Min. Extinction Ratio for - B Version	dB	20	18	20	18
Typ. Peak Isolation	dB	42	40	58	55
Min. Isolation, $\lambda_c \pm 10$ nm, 23 °C	dB	30	28	46	45
Typ. Insertion Loss, $\lambda_c \pm 20$ nm, 23 °C, all polarization states	dB	0.4	0.5	0.5	0.7
Max. Insertion Loss, $\lambda_c \pm 20$ nm, all temperature, all polarization states	dB	0.6	0.7	0.7	0.9
Min. Return Loss (Input/Output)	dB	55/50	55/50	55/50	55/50
Max. Optical Power (Continuous Wave)	mW		300		
Max. Tensile Load	N		5		
Fiber Type	-		PM Panda Fiber		
Operating Temperature	°C		- 5 to + 70		
Storage Temperature	°C		- 40 to + 85		

*IL is 0.3 dB higher, 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

PMI-①-②②-③-④-⑤-⑥-⑦

①: Stage

1 - Single Stage

2 - Dual Stage

②②: Wavelength

31 - 1310 nm

48 - 1480 nm

55 - 1550 nm

SS - Specify

③: Grade

P - Premium

A - A Grade

④: Connector Type

1 - FC/UPC 4 - SC/APC

2 - FC/APC N - None

3 - SC/UPC S - Specify

⑤: Fiber Jacket

B - 250 μ m Bare Fiber

L - 900 μ m Loose Tube

S - Specify

⑥: Fiber Length

Q - 0.75 m

S - Specify

⑦: Working Axis

F - Fast Axis Blocked

B - Both Axis Working



日本デバイス株式会社 E-mail sales@j-device.com

www.j-device.com

Tel 03-6262-3424 Fax 03-6800-5883