

Polarization Maintaining Isolator 800003

Features

High Isolation
Low Insertion Loss
Large Aperture Features

Applications

Fiber Optic Lasers
Optical Transmitters & Transceivers
Fiber Amplifiers
Fiber Sensors

Specifications

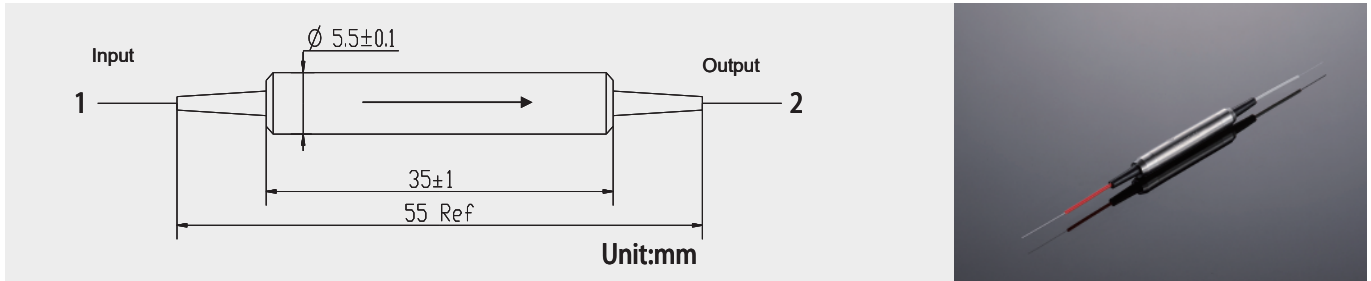
Parameters	Unit	Values			
		Single Stage		Dual Stage	
Stage		Grade P	Grade A	Grade P	Grade A
Center Wavelength (λ_c)	nm	1310, 1480 or 1550			
Operating Wavelength Range	nm	± 20			
Typ. Peak Isolation	dB	42	40	58	55
Min. Isolation at 23°C	dB	28	26	48	45
Typ. Insertion Loss at 23°C	dB	0.4	0.5	0.5	0.6
Max. Insertion Loss at -5°C-70°C	dB	0.55	0.65	0.65	0.8
Min. Return Loss (Input/Output)	dB	55	55	55	55
Min. Extinction Ratio(only for B type)	dB	20	18	20	18
Min. Extinction Ratio(only for F type)	dB	25	23	25	23
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.

Package Dimensions



Ordering Information

800003-①①-②-③-④-⑤⑤-⑥⑥-⑦

①①: Wavelength
31 - 1310nm
48 - 1480nm
55 - 1550nm
SS - Specify

②: Grade
P - Premium Grade
A - A Grade

③: Stage
S - Single Stage
D - Dual Stage

④: Axis Alignment
F - Fast Axis Blocked
B - Both Axis Working

⑤⑤: Connector Type on Port 1 & 2
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

⑥⑥: Fiber Jacket on Port 1 & 2
B - 250um Fiber
D - 400um Fiber
L - 900um Loose Tube
S - Specify

⑦: Fiber Length
0.8 - 0.8m
S - Specify

