High Power Polarization Maintaining Isolator

Features

High Isolation
Low Insertion Loss
Large Aperture Features

Applications

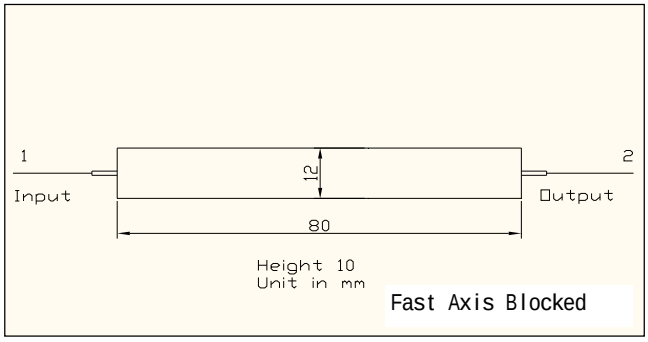
Fiber Optic Lasers
Optical Transmitters & Transceivers
Fiber Amplifiers
Fiber Sensors

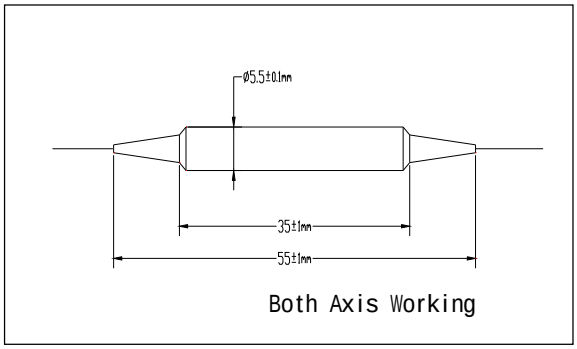
Specifications

Parameters	Unit	Values	
Stage		Single Stage	Dual Stage
Grade		Grade P	
Center Wavelength (λc)	nm	1310, 1480 or 1550	
Operating Wavelength Range	nm	±20	
Typ. Peak Isolation	dB	42	58
Min. Isolation at 23℃	dB	28	48
Typ. Insertion Loss at 23℃	dB	0.4	0.5
Max. Insertion Loss at -5℃-70℃	dB	0.55	0.65
Min. Return Loss (Input/Output)	dB	55	55
Min. Extinction Ratio(only for F type)	dB	25	25
Min. Extinction Ratio(only for B type)	dB	22	22
Max. Optical Power (CW)	W	1, 3, 5,10 or Specify	
Max. Tensile Load	N	5	
Fiber Type		PM Panda Fiber	
Operating Temperature	℃	-5 to +70	
Storage Temperature	℃	-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

HPMI-①①-②-③-④-⑤⑤-⑥⑥-⑦

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

②: Stage
S - Single Stage
D - Dual Stage

③: Power Level
1 - 1W
3 - 3W
5 - 5W
10 -10W
S - Specify

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