

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

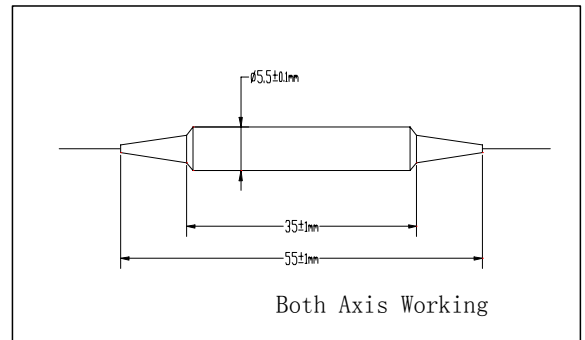
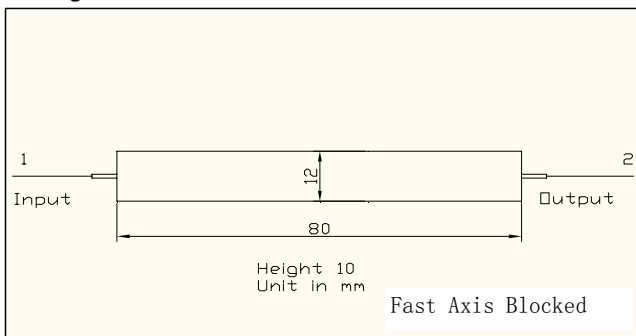
Parameters	Unit	Values	
Stage		Single Stage	Dual Stage
Grade		Grade P	
Center Wavelength (λ_c)	nm	1310, 1480 or 1550	
Operating Wavelength Range	nm	± 20	
Typ. Peak Isolation	dB	42	58
Min. Isolation at 23°C	dB	28	48
Typ. Insertion Loss at 23°C	dB	0.4	0.5
Max. Insertion Loss at -5°C-70°C	dB	0.55	0.65
Min. 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	°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

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