Optizone 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
Center Wavelength (λc)	nm	1310, 1480, 1550 or 1590	
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 23℃,λc	dB	0.6	0.7
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, 5,10 or Specify	
Max. Peak Power for ns Pulse	kW	10	
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.

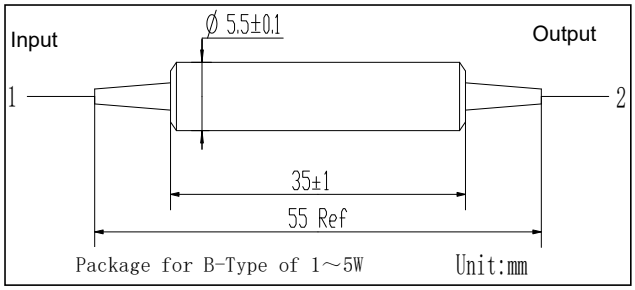
*For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower, ER will be 2dB lower,and handling power will be 1W(CW).

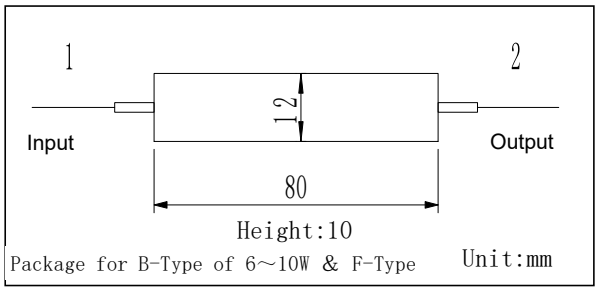
*The PM fiber and the connector key are aligned to the slow axis.

*For pulse application please discuss with Optizone.

* The material must be RoHS compliant.

Package Dimensions





Ordering Information

HPMI-①-②-③-④-⑤⑤-⑥⑥-⑦-⑧-⑨⑨

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

②: Stage
S - Single Stage
D - Dual Stage

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

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

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

⑥⑥: Fiber Jacket on Port 1 & 2
B - Bare Fiber
C - 900um Red Loose Tube
S - Specify

⑦: Fiber Type
2B - PM 1300
3B - PM 1550
S - Specify

⑧: Fiber Length
0.8 - 0.8m
S - Specify

⑨⑨: Package Type
01 - Ø5.5×35
08 - 80×12×10