



## High Power Polarization Maintaining Isolator

The High Power Isolator series products include high power isolator and high power collimator. The high power isolator series includes in-line type, beam expanded isolator, fiber in and free space out isolator and free space isolator etc. they're characterized with low insertion loss, high isolation, high power handling, high return loss, excellent environmental stability and reliability. They are ideal for fiber laser and instrumentation applications.



### Features

- ◆ High isolation
- ◆ Low insertion loss
- ◆ Excellent environmental stability and reliability

### Applications

- ◆ Research
- ◆ EDFAs
- ◆ Raman Amplifiers
- ◆ Fiber Lasers

### Performance Specifications

Stage	Single Stage	Dual Stage
Operating Wavelength (nm)	1310, 1550	
Bandwidth (nm)	±15	±20
Typical Peak Isolation (dB)	40	55
Minimum Isolation * (dB)	30	45
Typical Insertion Loss** (dB)	0.40	0.55
Maximum Insertion Loss*** (dB)	0.60	0.70
Return loss (dB)	>55	>55
Extinction Ratio (dB)	>20	>18
Operating Temperature (°C)	-5 ~ +65	
Storage Temperature (°C)	-40 ~ +85	
Fiber Type	PM Fiber	
Package Dimension(mm)	Ø5.5X35(≤3W) 58X10X8(3~10W)	
Fiber Length (Min.)	1 meter each end	
Power Handling (W)	1, 2, 3, 5, 10	

\*At 23° C over bandwidth.

\*\* Does not include connector, splice and fiber-end fresher losses.

\*\*\* Including PDL, operating wavelength range, -20° C to +70° C.

\*\*\*\* \*IL is 0.3 dB higher, RL is 5 dB lower for each connector added. Optical Power will be 1W only with connector added.

### Order information

HPPMI-①-②②-③③-④-⑤-⑥⑥-⑦⑦

①	②②	③③	④	⑤	⑥⑥	⑦⑦
Stage	wavelength	Optical Power	Axis Alignment	Fiber Diameter	Fiber Length	Connector Type
S:Single D: Dual	13:1310nm 15:1550nm XX:Other	01:1W 05:5W 10:10W XX:Other	B:Both axis working F: Fast axis blocking	B:250um L:900um X: Others	07:0.7m 10:1.0m X:Others	00:None XX:Other