

808nm Pump Laser Protector

Key Features

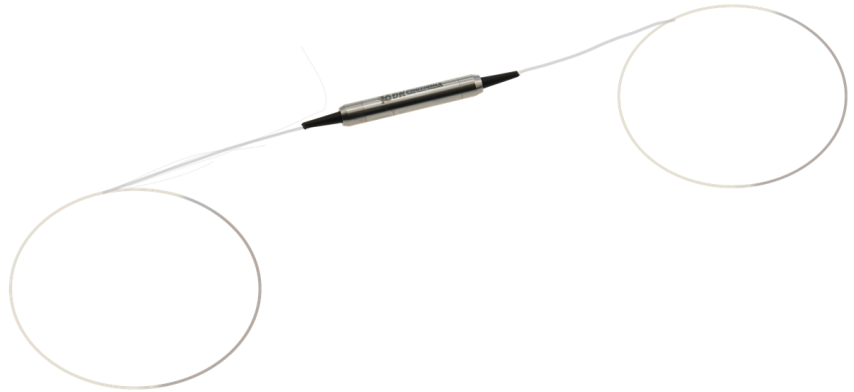
- Low Insertion Loss
- High Power Handling
- High Isolation
- Low Cost
- High Reliability
- Excellent Temperature Stability

Applications

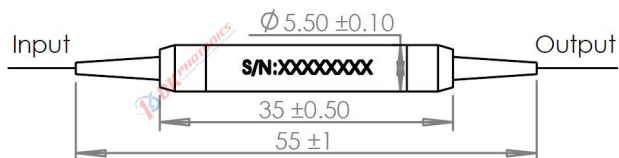
- Fiber Amplifiers
- Fiber lasers
- Test and Measurement
- Instrumentation

The Pump Laser Protector, also called Pump Protection Filter, is a passive component which allows maximum transmission from a discrete fibre-coupled pump laser diode and blocks parasitic signals around the centre wavelength of the laser from being reflected back into the laser. Depending on the fiber type of laser diode, we have SM Pump Laser Protector, PM Pump Laser Protector, MM Pump Laser Protector. They can work for 1.0μm fiber laser and 1.5μm fiber laser.

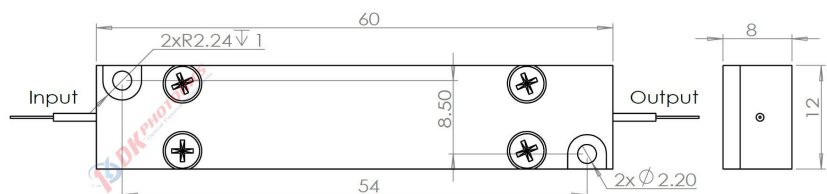
If you do not see a standard Pump Laser Protector that meets your needs, we welcome the opportunity to review your desired specification and quote a custom isolator. Requests for custom fiber pigtailed, different wavelengths and handling power of operation or other specific needs will be readily addressed.



Package Dimension



Dimension for <10W



Dimension for <20W

*Due to ongoing design improvements, the package size is subject to change. Please contact DK Photonics for confirmation if you have special requirements.

For more Info

Please contact us at:

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Fax: +86-755-26746512

E-mail: sales@dkphotonics.com

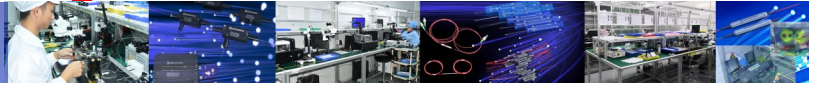
<https://www.dkphotonics.com>

Add.:

4F, Bldg. 18, Qinghu Industrial Park,

Dahe Road, Longhua Dis.,

Shenzhen, China 518109



808nm Pump Laser Protector

Performance Specifications

Parameters	Unit	Values
Pump Laser Center Wavelength	nm	808
Operating Wavelength Range	nm	± 15
Typ. Pump Insertion Loss	dB	0.4
Max. Pump Insertion Loss (-5~70°C)	dB	0.6
Min. PER (PM fiber)	dB	18
Max. PDL (No-PM fiber)	dB	0.15(0.2 for MM fiber)
Operating Signal Wavelength Range	nm	900~1100(09), 1020~1120(1.0μm)
Min. Backward Signal Isolation	dB	30
Max. Optical Power	CW	0.5, 5, 10, 20, 30 ,50 or specify
Min. Return Loss	dB	50 (30 for MM fiber)
Fiber Type	-	780-HP, PM780-HP Panda fiber 105/125, NA0.22, Multimode Fiber or Specify
Operation Temperature	°C	-5 ~ +65
Storage Temperature Range	°C	-40 ~ +85

1. Above specification are for device without connector, and may change without notice.
2. IL is 0.3 dB higher and RL is 5 dB lower for connector added.
3. The pass optical power is 2 W only for connector added.

Order information P/N: SM(PM/MM) PLP-①-②-③-④-⑤-⑥-⑦

When you inquire, please provide the correct P/N number according to our ordering information, and attach the appropriate description would be better. If need any connector, we do not recommend choosing a 250μm bare fiber pigtail. For high power applications, we recommend direct splicing without connectors.

①	②	③	④	⑤	⑥	⑦
Pump Laser Wavelength	Optical Power	Backward Signal Wavelength	Fiber Type	Pigtail Diameter	Fiber Length	Connector
808:808nm XX: Other	005:0.5W 01:1W 10:10W 20:20W XX: Other	09:900~1000nm 10:1020~1100nm	XXX: fiber code	25:250μm Bare Fiber 90:900μm Loose Tube XX: Others	08:0.8m 10:1.0m XX: Other	00: None XX: Others

Part Number Example #1: SMPLP-808-1-09-S78-25-08-00

Description: 808nm Single mode Pump Laser Protector, - 1W, backward signal wavelength 920nm, 780-HP fiber, with bare fiber & 0.8m length, no connector.

Part Number Example #2: PMPLP-808-005-09-P78-25-08-00

Description: 808nm PM Pump Laser Protector, - 1W, backward signal wavelength 920nm, PM780-HP fiber, with bare fiber & 0.8m length, no connector.

Part Number Example #3: MMPLP-808-10-09-105/125/22-25-08-00

Description: 808nm Multimode Pump Laser Protector, - 10W, backward signal wavelength 920nm, 105/125um, NA0.22 fiber, with bare fiber & 0.8m length, no connector.

Ordering Information for Custom Parts

If you need to customize other specifications, please provide detailed description for your requirement.