

975nm PM Pump Laser Protector

Key Features

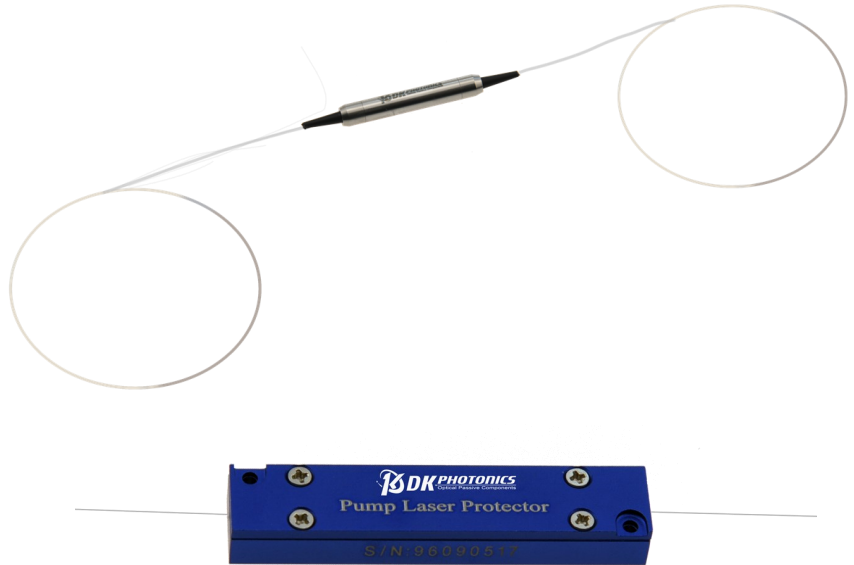
- Low Insertion Loss
- High Power Handling
- High Isolation
- Low Cost
- High Reliability
- Excellent Temperature Stability

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 1.0 μ m fiber laser and 1.5 μ m fiber laser.

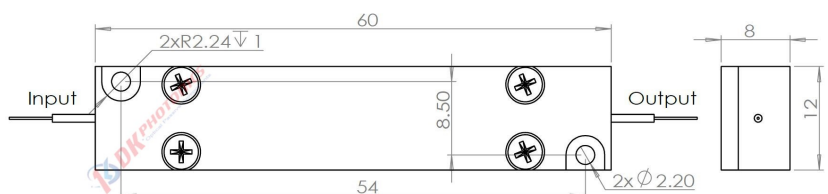
If you do not see a standard Pump Laser Protector that meets your needs, we welcome the opportunity to review your desired specification and quote a custom isolator. Requests for custom fiber pigtailed, different wavelengths and handling power of operation or other specific needs will be readily addressed.



Package Dimension



Dimension for <10W



Dimension for <20W

For more Info

Please contact us at:

Tel: +86-755-23736280

Fax: +86-755-26746512

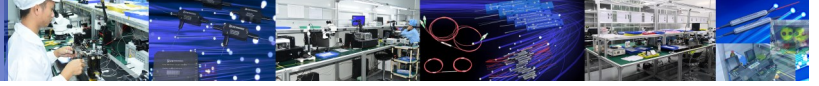
E-mail: sales@dkphotonics.com

<https://www.dkphotonics.com>

Add.:

4F, Bldg. 18, Qinghu Industrial Park,
Dahe Road, Longhua Dis.,
Shenzhen, China 518109

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



975nm PM Pump Laser Protector

Performance Specifications

Parameters	Unit	Values
Pump Laser Center Wavelength	nm	975
Operating Wavelength Range	nm	± 15
Typ. Pump Insertion Loss	dB	0.4
Max. Pump Insertion Loss (-5~70°C)	dB	0.6
Min. PER (both axis working)	dB	20
Operating Signal Wavelength Range	nm	1020~1120(1.0μm) or 1530~1570(1.5μm)
Min. Backward Signal Isolation	dB	30
Max. Optical Power	CW	0.5, 5, 10, 20 or specify
Min. Return Loss	dB	50
Fiber Type	-	PM980-XP Panda fiber or specify
Operation Temperature	°C	-5 ~ +65
Storage Temperature Range	°C	-40 ~ +85

- Above specifications are for device without connector, and the PM PLP device is both axis working.
- For devices with connectors, IL will be 0.3dB higher, RL will be 5dB lower and ER will be 2dB lower. Power transmits through the connector less than 2W. The default connector key is aligned to slow axis.

Order information P/N: PMPLP-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
975:975nm XX: Other	01:1W 10:10W 20:20W XX: Other	10:1064nm 15:1550nm	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: PMPLP-975-01-10-P98X-25-08-00

Description: 975nm PM Pump Laser Protector, - 1W, backward signal wavelength 1064nm, PM980-XP fiber, with bare fiber & 0.8m length, no connector.

Part Number Example #2: PMPLP-975-01-15-P98X-25-08-00

Description: 975nm PM Pump Laser Protector, - 1W, backward signal wavelength 1550nm, PM980-XP 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.