



975nm SM Pump Laser Protector

Key Features

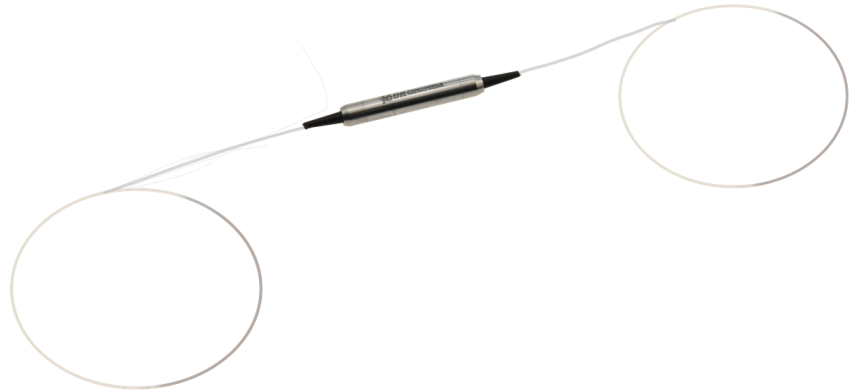
- Low Insertion Loss
- High Power Handling
- High Isolation
- Low Cost
- High Reliability
- Excellent Temperature Stability

Applications

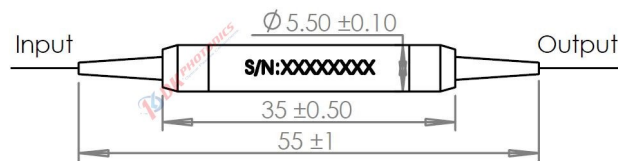
- Fiber Amplifiers
- Fiber lasers
- Test and Measurement
- Instrumentation

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.

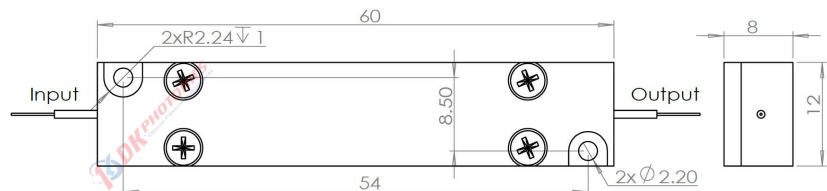
If you do not see a standard Pump Laser Protector that meets your needs, we welcome the opportunity to review your desired specification and quote a custom isolator. Requests for custom fiber pigtailed, different wavelengths and handling power of operation or other specific needs will be readily addressed.



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

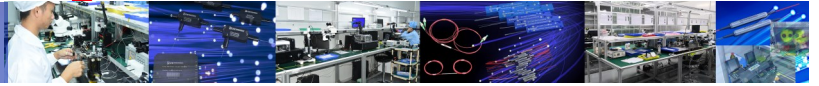
<https://www.dkphotonics.com>

Add.:

4F, Bldg. 18, Qinghu Industrial Park,

Dahe Road, Longhua Dis.,

Shenzhen, China 518109



975nm SM 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
Max. PDL	dB	0.15
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	-	1060-XP 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: SMPLP-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	01:1W	10:1064nm	XXX: fiber code	25:250μm Bare Fiber	08:0.8m	00: None
XX: Other	10:10W	15:1550nm		90:900μm Loose Tube	10:1.0m	XX: Others
	20:20W	20:2000nm		XX: Others	XX: Other	
	XX: Other					

Part Number Example: SMPLP-975-5-10-06X-25-08-00

Description: 975nm Single mode Pump Laser Protector, - 10W, backward signal wavelength 1064nm, 1060-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.