High-Power Dual-Stage Isolator

1064nm, 1030nm, 980nm, 915nm, 850nm, 808nm, 780nm

FEATURES

- ✓ Polarization Independent
- ✓ Low Insertion Loss
- ✓ High Isolation and Return Loss
- ✓ High Reliability and Stability

APPLICATIONS

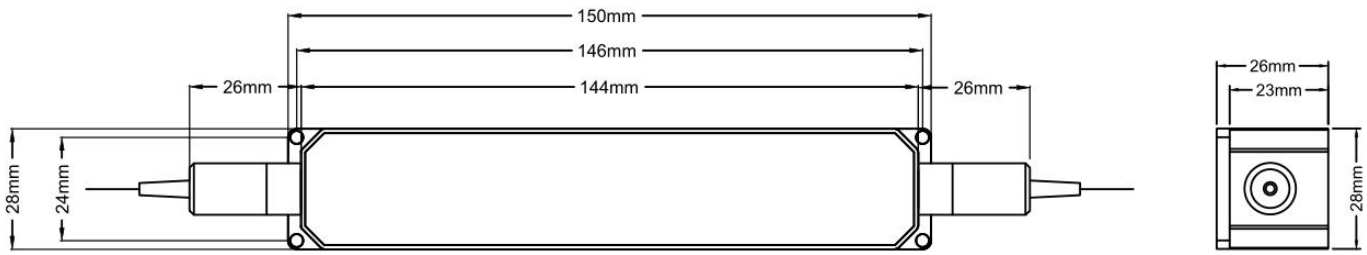
- ➢ Fiber Laser
- ➢ Testing Instruments
- ➢ Mopa Fiber Laser
- ➢ Polarization Maintaining Fiber Amplifier

Specifications of Dual-Stage Isolator 1064nm, 1030nm, 980nm, 915nm, 850nm, 808nm, 780nm; Polarization-Independent	
Center Wavelength (nm)	1064, 1030, 980, 915, 850, 808, 780
Operating Wavelength Range (nm)	±5
Typ. Peak Isolation at 23°C (dB)	65
Min. Isolation at 23°C (dB)	55
Typ. Insertion Loss at 23°C (dB)	0.8
Max. Insertion Loss at 23°C (dB)	1.2
Max. Polarization Dependent Loss at 23℃ (dB)	0.2
Min. Return Loss (Input /Output) (dB)	45
Max. Average Optical Power (W)	20
Max. Peak Power for ns Pulse (kW)	10
Max. Tensile Load (N)	5
Package Dimension (nm)	150x28x26
Operating Temperature (°C)	+10 to +50
Storage Temperature (°C)	0 to +60

Note:

1. The high power dual-stage isolator (1064nm, 1030nm, 980nm, 915nm, 850nm, 808nm, 780nm; polarization-independent) is customizable, and the above specifications are subject to change without notice.
2. For CW high-power optical interconnection, we recommend fusion splice without connectors.
3. For device with connectors, IL is 0.3dB higher, RL is 5.0dB lower.
4. Bare fiber should not support the weight of the connector. So that if any connectors needed, for the pigtail type it's better to choose the 900μm loose tube jacket instead of the 250μm bare fiber.
5. For product customization or special requirements, please contact Lfiber's sales department for availability.

Package Dimensions



Ordering Information for High-Power Dual-Stage Isolator (1064nm, 1030nm, 980nm, 915nm, 850nm, 808nm, 780nm; Polarization-Independent)								
Center Wavelength	**Stage Type**	**Fiber Type**	**Package Dimensions**	**Pigtail Type**	**Fiber Length**	**Connector**	**Average Power**	**Peak Power**
1064nm	Dual-stage	HI1060	150x28x26 mm	250μm bare fiber	0.5 meter	None	500mW	10kW
1030nm		SMF-28e	Specified	900μm loose tube	0.8 meter	FC/UPC	1W	20kW
980nm		Others			1.0 meter	FC/APC	2W	
915nm					Specified	SC/UPC	…	
850nm						SC/APC	5W	
808nm						LC/UPC	10W	
780nm						LC/APC	20W	
Others						Others	Others	