

High Power Optical Isolator (TGG Based, 780nm to 1064nm)

Features

- Low Insertion Loss
- High Return Loss
- High Isolation
- High Stability and Reliability

Applications

- Fiber Amplifier
- Testing Instrument
- MOPA Fiber Laser
- Fiber Laser

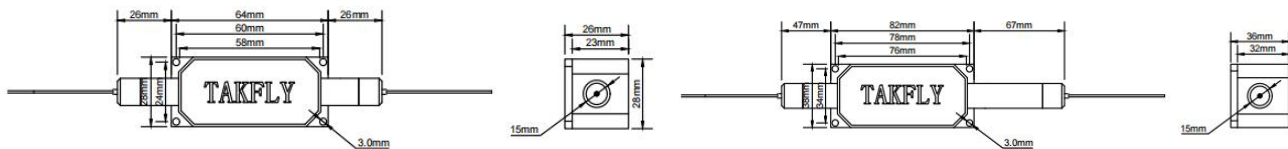
Specifications

Parameters	Unit	Value	
Center Wavelength	nm	1064, 1030, 980, 915, 850, 808, 780	
Operating Wavelength Range	nm	±5	
Typ. Peak Isolation at 23°C	dB	30	
Min. Isolation at 23°C	dB	25	
Typ. Insertion Loss at 23°C	dB	0.8	
Max. Insertion Loss at 23°C	dB	1.0	
Max. Polarization Dependent Loss at 23°C (SM Fiber Type)	dB	0.15	
Min. Extinction Ratio at 23°C (PM Fiber Type)	dB	20	
Min. Return Loss (Input /Output)	dB	45	
Max. Average Optical Power	W	≤20	≤50
Package Dimension	mm	64x28x26	82x38x35
Max. Peak Power for ns Pulse	kW	10	
Max. Tensile Load	N	5	
Operating Temperature	°C	+10~+50	
Storage Temperature	°C	0~+60	

With connectors, the handing power will be only 1W, IL is 0.3dB higher, RL is 5dB lower, and ER is 2dB lower.

The default connector key is aligned to slow axis.

Package Dimensions



Max. Power:20W

Max. Power:50W

Ordering Information

HPMIS-1111-23-444-56-7-88-99AA (PM Fiber Type) / HPIIS-1111-23-444-56-7-88-99AA (SM Fiber Type)

1111 - Wavelength:	1064=1064nm, 1030=1030nm, 980=980nm,.....
2 - Core Type:	S=Single-Core
3 - Working Axis:	B=Both axis working, F=Fast axis blocked, N=Non-PM
444 - Fiber Type:	003=PM980, 004=Hi1060, 014=PM1060L, SSS=Specify
5 - Package Dimension:	0=64x28x26mm, 1=82x38x35mm
6 - Pigtail Type:	0=bare fiber, 1=900um loose tube, S=Specify
7 - Fiber Length:	0.75=0.75m, 1.0=1.0m. S=Specify
88 - Connector Type:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, N=None, S=Specify
99 - Average Power:	00=500mW, 01=1W, 05=5W, 10=10W, 20=20W, SS=Specify
AA - Peak Power:	00=Continuous Wave, 10=10kW, 20=20kW