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

Features

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

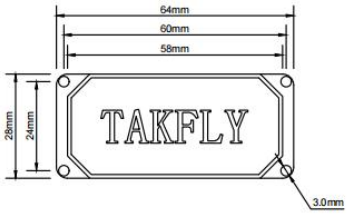
Applications

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

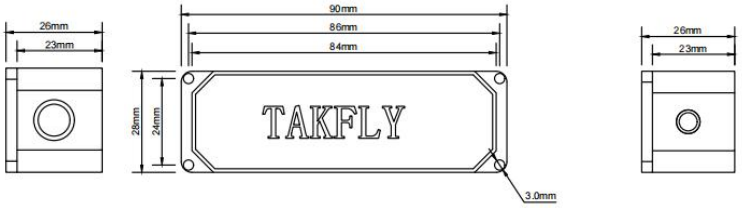
Specifications

Parameters	Unit	Value	
Center Wavelength	nm	1064, 1030, 980, 915, 850, 808, 780	
Operating Wavelength Range	nm	±5	
Peak Transmission at 23℃	%	95	
Typ. Peak Isolation at 23℃	dB	30	
Min. Isolation at 23℃	dB	25	
Typ. Insertion Loss at 23℃	dB	0.15	
Max. Insertion Loss at 23℃	dB	0.3	
Min. Return Loss (Input /Output)	dB	50	
Max. Average Optical Power	W	50 or Specify	
Clear Aperture	mm	≤2.0	≤5.0
Package Dimension	mm	64x28x26	90x28x26
Input Polarization	degree	Specify	
Output Polarization	degree	Specify	
Operating Temperature	℃	+10~+50	
Storage Temperature	℃	0~+60	

Package Dimensions



Aperture ≤2.0mm



Aperture ≤5mm

Ordering Information

HPFSI-PI-3-NA-NA-6-77 (PI Type) / HPFSI-1111-PS-3-44-55-6-77 (PS Type)

1111 - Wavelength:	1064=1064nm, 1030=1030nm, 980=980nm,.....
22 - Type:	PI=Polarization Insensitive, PS=Polarization Sensitive
3 - Aperture:	1.5=1.5, 2.0=2.0, 5=5.0, S=Specify
44 - Input Polarization:	00=Horizontal, 45=45 Degree, 90=Vertical, NA=NA
55 - Output Polarization:	00=Horizontal, 45=45 Degree, 90=Vertical, NA=NA
6 - Package Dimension:	0=64x28x26mm, 1=90x28x26mm
77 - Power Handling:	01=1W, 05=5W, 10=10W, 30=30W, 50=50W, SS=Specified

Add: Takfly Industrial Park,Tongsheng Community,Dalang Street, Longhua District, Shenzhen,518109,China.
Tel:+86-755-28106528 Fax: +86-755-23777278 www.takfly.com