

High Power Isolator

(1064nm, 1030nm, 980nm)

Descriptions

The high power isolator is characterized with low insertion loss, high isolation, high power handling, high return loss, excellent environmental stability and reliability.

Features

- ▶ High Isolation
- ▶ Low Insertion Loss
- ▶ High Return Loss
- ▶ High stability & Reliability



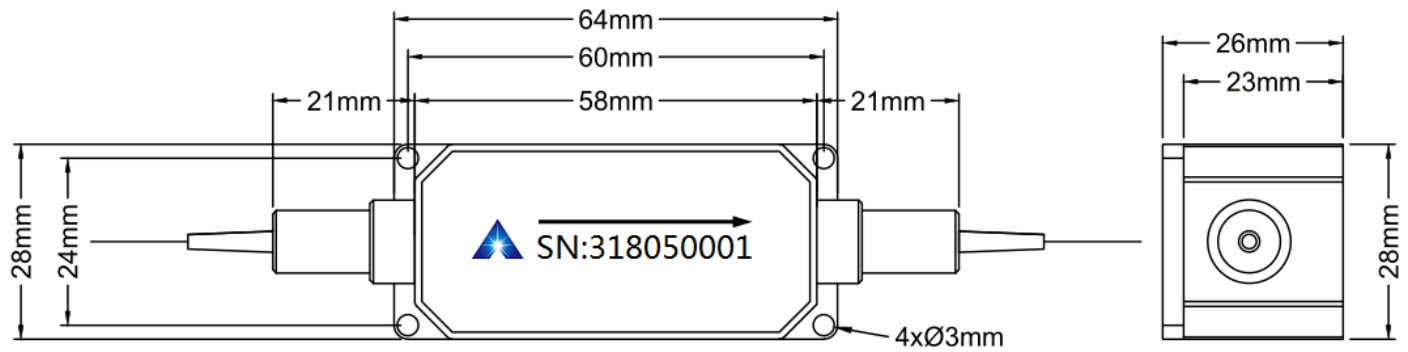
Applications

- ▶ Fiber Laser
- ▶ Testing Instrument
- ▶ Polarization Maintaining Fiber Amplifier

Specifications

Parameters	Value
Center Wavelength (nm)	1064 or 1030 or 980
Operating Wavelength Range (nm)	±5
Typ. Peak Isolation at 23℃ (dB)	30
Isolation at 23℃ (dB)	≥25
Typ. Insertion Loss at 23℃ (dB)	≤0.8
Insertion Loss at 23℃ (dB)	≤1
Polarization Dependent Loss at 23℃, only for PI (dB)	≤0.2
Extinction Ratio at 23℃ (only for PM) (dB)	≥20
Return Loss(Input /Output) (dB)	≥45
Average Optical Power (W)	≤10
Peak Power for ns Pulse (KW)	≤10
Tensile Load (N)	≤5
Package Dimension (mm)	58x28x26
Operating Temperature (℃)	+10~+50
Storage Temperature (℃)	0~+60

Remark: The Above specifications is without connector. IL is 0.50dB higher, RL is 5dB lower and ER is 3dB lower for each connector added. The default connector key is aligned to slow, the connector handle power ≤0.5W



Ordering Information

HPISO - A - B - C - D - E - F - G - H		
A	Center Wavelength	1064=1064nm, 1030=1030nm, 980=980nm
B	Fiber Type	Hi1060, PM980 or others
C	Pigtail Type	BF=Bare Fiber,0.9=0.9mm Tube
D	Axis Alignment (Only for PM)	F=Slow axis working, Fast axis blocked, B=Both of axis working
E	Handling Power	1=1W,5=5W,10=10W,50=50W,100=100W, Customer Request
F	Connector Type	N=None, LC/UPC, LC/APC, SC/UPC, SC/APC, FC/UPC, FC/APC, etc
G	Package Size	58x28x26mm or others
H	Fiber length	003=0.3m, 005=0.5m; 010=1.0m 100=10m etc
For example: HPISO-1030-PM980-BF-F-1-FC/UPC*2-58x28x26-010		