

1030nm High Power Free Space Isolator(50-100W)

Features

High isolation & High extinction ratio
 Low insertion loss
 High stability and reliability

Application

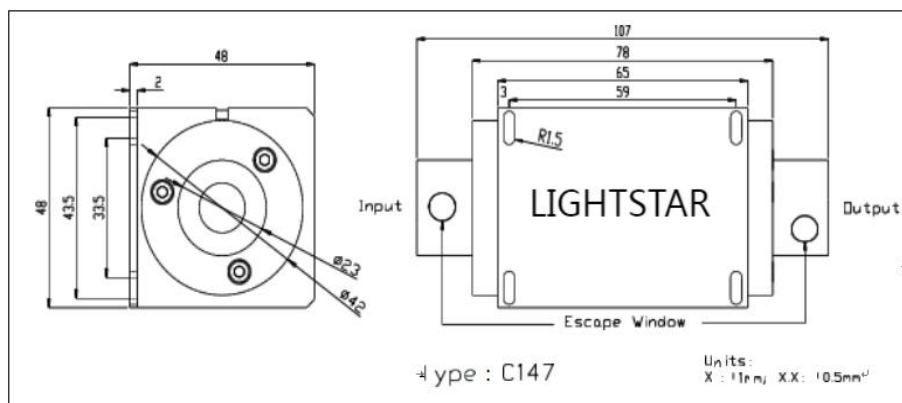
Ultra fast fiber laser
 Optical fiber amplifier
 Solid laser

Specifications

Parameter	Unit	Value
Central wavelength(λ_c)	nm	1030
Bandwidth	nm	± 10
Peak isolation at 23°C	dB	30~35
Isolation 23°C	dB	30
Maximum insertion loss 23°C	dB	0.4
Minimum extinction ratio	dB	25
Power	W	50 , 100 or Specify
Damage threshold 10ns	J/cm ²	10
Operating temperature	°C	10 to +50
Storage temperature(Non-Condensing)	°C	0 to +75

When using the Connector, the processing power is only 1W, the Insertion loss is 0.3dB higher, the return loss is 5dB lower, and the extinction ratio is 2dB lower. The Connector key is aligned with the slow axis.

Package dimensions



Ordering information

HPFSI-①①①①-②②-③④-⑤

①①①①: Wavelength
 1030=1030nm
 SSSS=Specify

②②: Power
 50=50W
 AA=100W
 SS=Specify

③: Effective aperture
 5=Dia. 5.0mm
 S=Specify

④: Polarization type
 S= polarization independent

⑤: Wavelength range
 1= $\lambda \pm 10\text{nm}$
 4= $\lambda \pm 40\text{nm}$
 S=Specify