



# 980nm High Power Free Space Isolator Sensitive C149

## Features

Low Insertion Loss, High Isolation  
 High Power Handling, Large Clear Aperture  
 Broad band

## Applications

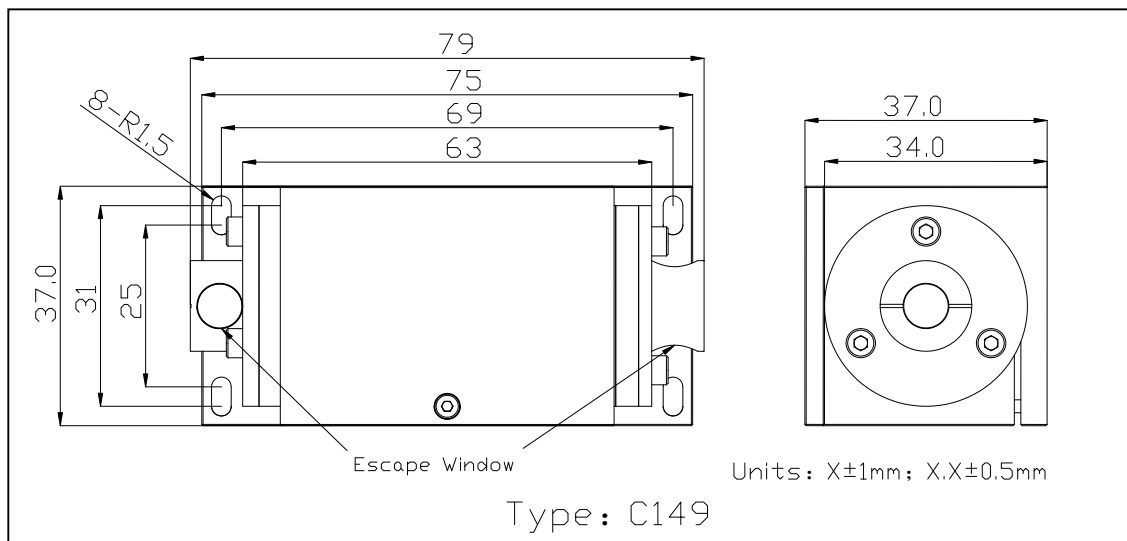
Fiber Laser, Solid Laser  
 Fiber Amplifier, Space Laser Protection  
 Fiber optic isolator, Lab Research

## Specifications

Parameters	Unit	Values
Center Wavelength ( $\lambda_c$ )	nm	915, 980 or Specify
Operating Wavelength Range	nm	$\pm 5$
Typ. Peak Isolation	dB	30~35
Min. Isolation at 23°C	dB	28
Typ. Insertion Loss at 23°C	dB	0.3
Max. Insertion Loss at 23°C	dB	0.4
Min. Extinction Ratio at 23°C	dB	25
Max. Optical Average Power	W	20, 50 or Specify
Max. Damage Threshold	-	10J/cm <sup>2</sup> @ 10ns
Operating Temperature	°C	10 to 50
Storage Temperature (Non-Condensing)	°C	0 to 60

\*Input polarization plane - vertical

## Package Dimensions



## Ordering Information

**HPFSI-①①-②②-③③-④④-⑤⑤-⑥⑥-⑦⑦-⑧⑧**

①①: Wavelength  
 91 - 915nm  
 98 - 980nm  
 SS - Specify

④④: Clear Aperture  
 50 - Dia. 5.0mm  
 SS - Specify

⑦⑦: Input Polarization  
 H - Horizontal  
 V - Vertical  
 S - Specify

②②: Package Type  
 C149- Type C149

⑤⑤: Polarization type  
 S - Polarization Sensitive

⑧⑧: Output Polarization  
 H - Horizontal  
 V - Vertical  
 S - Specify

③③: Handling Power  
 20 - 20W  
 50 - 50W  
 SS - Specify

⑥⑥: Wavelength Range  
 10 -  $\lambda \pm 10$ nm  
 40 -  $\lambda \pm 40$ nm  
 SS - Specify