



2 μm High Power Fiber to Free Space Isolator (HPFSI Series)

Rev 11C

Description

This 2 μm High Power Fiber to Free Space Isolator is characterized with low insertion loss, high isolation high power handling, high return loss, excellent environmental stability and reliability. This optical isolator is ideal for fiber laser and instrumentation applications.

Key Features

- High Power Handling
- Low Insertion Loss

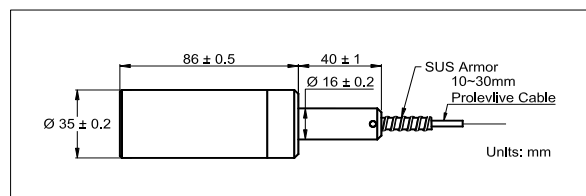
Applications

- Fiber Laser
- Fiber Optic Instruments

Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	2000
Operating Wavelength Range	nm	$\lambda_c \pm 30$
Output Beam Diameter	mm	4.9 ± 0.5
Extinction Ratio (PM Type Only, Both Axes Are Working)	dB	20
Max. Insertion Loss	dB	0.5
Min. Isolation @ λ_c , 23 °C	dB	35
Max. Average Optical Power	W	5
Max. Peak Power (Pulse Width, 10 ns)	kW	10
Return Loss	dB	45
Fiber Type	-	SMF-28 or PM 1550 Fiber
Operating Temperature Range	°C	+ 10 to + 60
Storage Temperature	°C	- 40 to + 85

Package Dimensions



Ordering Information

HPFSI-①①①①-②-③-④-P

①①①①: Wavelength

2000 - 2000 nm

SSSS - Specify

②: Fiber Jacket

B - 250 μm Bare Fiber

L - 900 μm Loose Tube

3 - 3 mm Steel Wire Armored Cable

6 - 6 mm Steel Wire Armored Cable

S - Specify

③: Fiber Length

Q - 0.75 m

S - Specify

④: PM/Non-PM

1 - Non-PM Type

2 - PM Type