

Fiber to Free Space High Power Isolator for Pulse Application (HPFSI Series)

Description

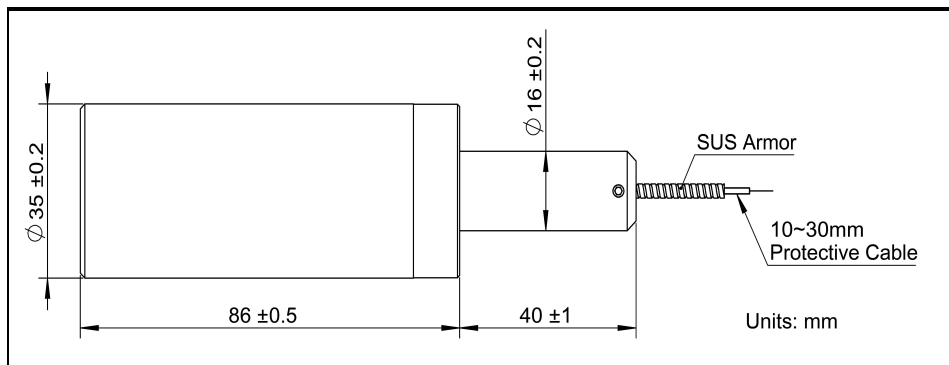
Rev 11A

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

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 , 25 °C	dB	35
Max. Average Optical Power	W	5
Max. Peak Power For ns Pulse	kW	10
Return Loss	dB	45
Fiber Type	-	SMF-28 or PM 1550 Fiber
Operating Temperature Range	°C	10 - 60

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