2 µm 20W Fiber to Free Space Isolator

(polarization independent and polarization maintain)

(5, 20W)

Product Description

This 2um 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.

Features

- High Power Handling
- Low IL
- High Isolation
- High Reliability & Stability
- Cost Effective

Performance Specifications

2um High power Isolator	Typical	Unit
Operating Wavelength	2000 ± 30	nm
Insertion Loss [1]	0.5	dB
Isolation[1]	35	dB
Extinction Ratio (PM only)	20	dB
Output Beam Diameter	4.9 ± 0.5	mm
Return Loss	45	dB
Optical Power Handling[2]	5,20	W
Peak Power for ns Pulse	10	KW
Fiber Type	SMF-28e/PM1550	
Operating temperature	10 ~ 60	°C
Storage temperature	-40 ~ 85	°C

Note:
1. Measured without connectors at center wavelength and 25°C
2. Continuous operation.

Applications

- Laser Pump Source
- Optical Fiber Amplifier
- Laser Manufacturing
- Test and Measurement

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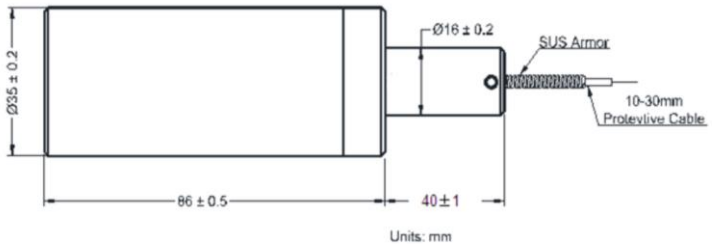
Mechanical Dimensions (mm)



*Product dimensions may change without notice. This is sometimes required for non-standard specifications.

Ordering Information

HPFI-	A	□□	□□	□	□	□	□
		Wavelength	Power handling	Fiber Type		Fiber Length	Connector
		2000=20 Special=00	5W=05 20W=20	SMF-28e=1 PM1550 =2 Special =0	Bare fiber=1 900um loose tube=2 3mm steel cable = 3 6mm steel cable = 6 Special=0	0.75M=1 Special=0	None=1 FC/PC=2 FC/APC=3 SC/PC=4 SC/APC=5 ST/PC=6 LC=7 Special=0

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