FREE SPACE TUNABLE OPTICAL ISOLATORS

DESCRIPTION

Compact and simple to use, these isolators contain removable end-caps allowing for easy cleaning of the polarizer surfaces. Due to their wide bandwidth, they will maintain high isolation even when used with multi-line lasers or tunable sources. They allow tuning for peak isolation if either wavelength or temperature varies. The tuning mechanism is designed to be immune to inadvertent detuning of the isolator.

FEATURES

Stable Tuning Mechanism

High Isolation

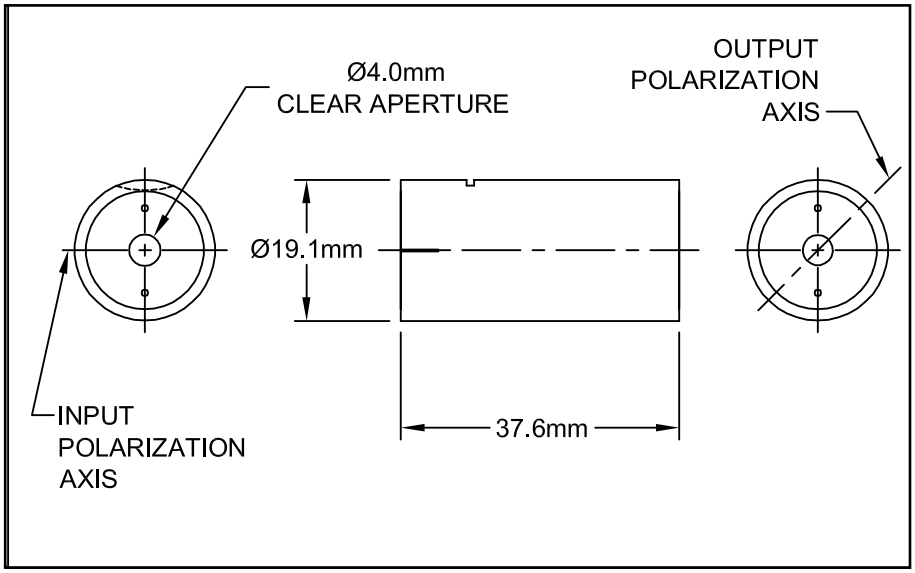
Low Insertion Loss

APPLICATIONS

Optical Test Measurement

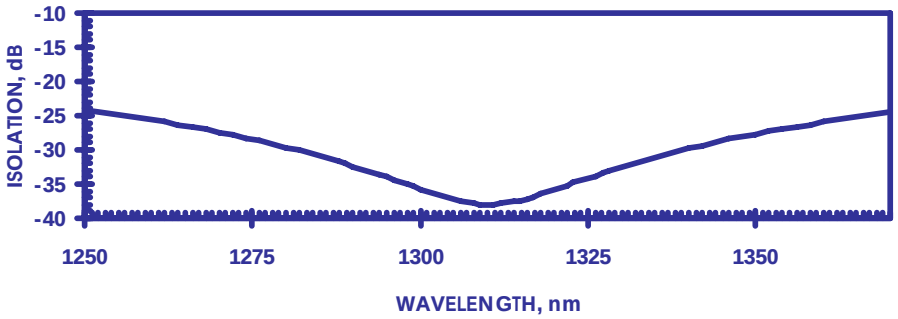
Optical Instrumentation

OUTLINE DRAWING



THEORETICAL ISOLATION CURVE

Model # I-13-B



64 Harding Avenue
Dover, NJ 07801
t 973.328.7000
f 973.328.7036
info@isowave.com
www.isowave.com

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SPECIFICATIONS

	I-13-B	I-15-B
Wavelength	1310nm	1550nm
Isolation (typical)	≥43dB	
Isolation (minimum)	38dB	
Insertion Loss (typical)	≤0.2dB	
Insertion Loss (maximum)	0.4dB	
Clear Aperture	4mm	
Bandwidth	±12nm	±16nm
Wavelength Adjustment Range	±70nm	
Operating Temperature Range	23° ± 20°C	
Storage Temperature Range	0° to +65°C	
Optical Path Length	40.7mm	41.9mm
Maximum Power Density	300W/cm^2	
Polarization of Input	Indicated on Housing	
Polarization of Output	45° to Input	

For custom configurations or specifications, please contact an ISOWAVE sales engineer.

ORDERING INFORMATION

I – [ ][ ] – B – 4

- 13=1310nm
- 15=1550nm

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