

FREE SPACE ULTRA HIGH PERFORMANCE 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.

These Ultra-High Performance models never need adjustment. They offer excellent stability with respect to variations in temperature and wavelength.

FEATURES

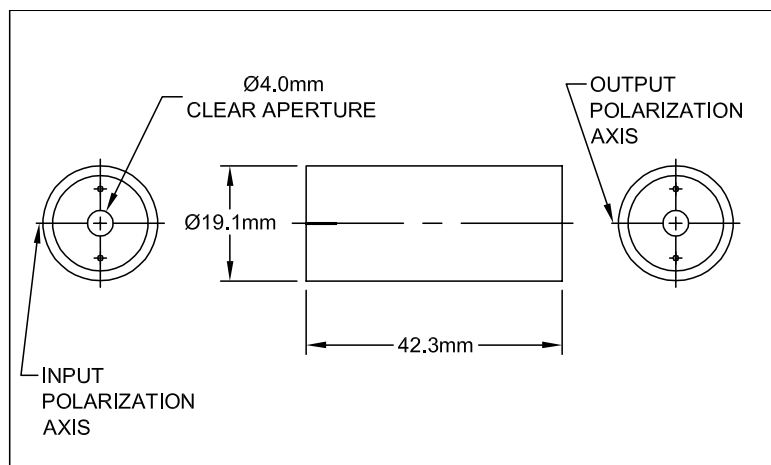
- High Isolation
- Low Insertion Loss
- No Tuning Required
- Wide Band Performance

APPLICATIONS

- Semiconductor Laser Modules
- Tunable Laser Modules

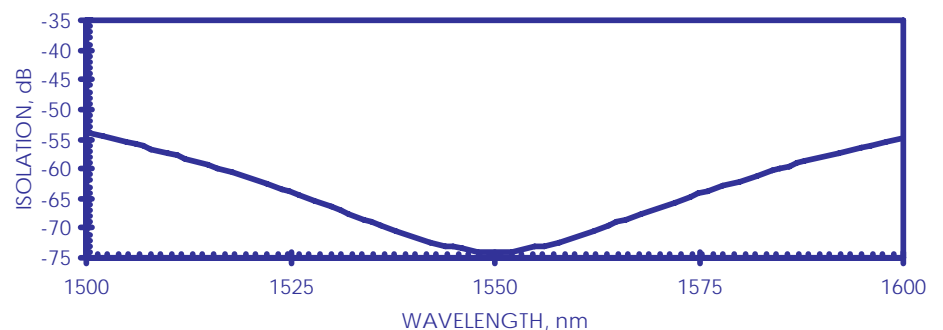
64 Harding Avenue
Dover, NJ 07801
t 973.328.7000
f 973.328.7036
info@isowave.com
www.isowave.com

OUTLINE DRAWING



THEORETICAL ISOLATION CURVE

Model # I-15-UHP



ISOWAVE





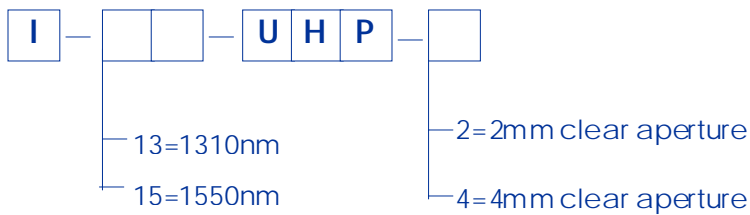
SPECIFICATIONS

	I-13-UHP	I-15-UHP
Wavelength	1310nm	1550nm
Isolation (typical)	$\geq 75\text{dB}$	
Isolation (minimum)	63dB	
Insertion Loss (typical)	$\leq 0.4\text{dB}$	
Insertion Loss (maximum)	0.8dB	
Clear Aperture	4mm	
Bandwidth	$\pm 28\text{nm}$	$\pm 35\text{nm}$
Operating Temperature Range	$23^{\circ} \pm 30^{\circ}\text{C}$	
Storage Temperature Range	$0^{\circ}\text{to } +65^{\circ}\text{C}$	
Optical Path Length	48.2mm	49.4mm
Maximum Power Density	$300\text{W}/\text{cm}^2$	
Polarization of Input	Indicated on Housing	
Polarization of Output	Parallel to Input	

For custom configurations or specifications, please contact an



ORDERING INFORMATION



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