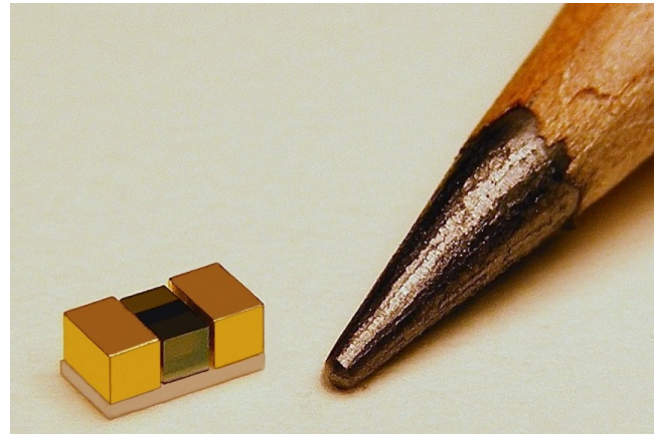


# Flatpak Optical Isolators

## Product Description

Isowave's Flatpak series of Optical Isolators offers outstanding performance in an extremely compact design. The new Flatpak packaging provides the same features and performance as our standard round Miniature Optical Isolators. The Flatpak design also allows for surface mounting and use with automated material handling and processing methods. These robust Optical Isolators are available in several sizes and configurations to accommodate a wide variety of laser diode package geometries.

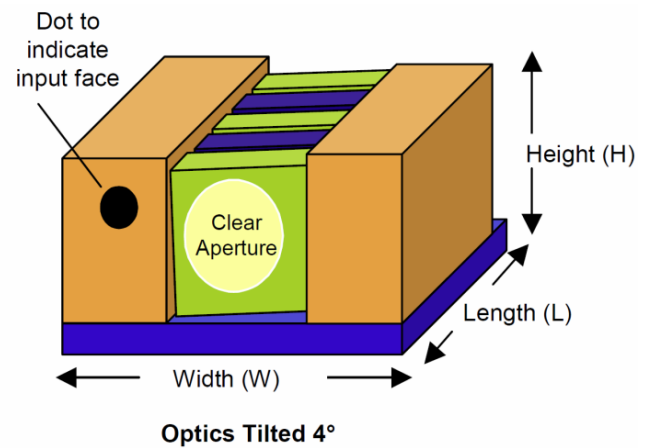


## Applications

- Semiconductor Laser Modules
- Automated Pick and Place Assembly
- Tunable Laser Modules
- Small Form Factor Laser Modules

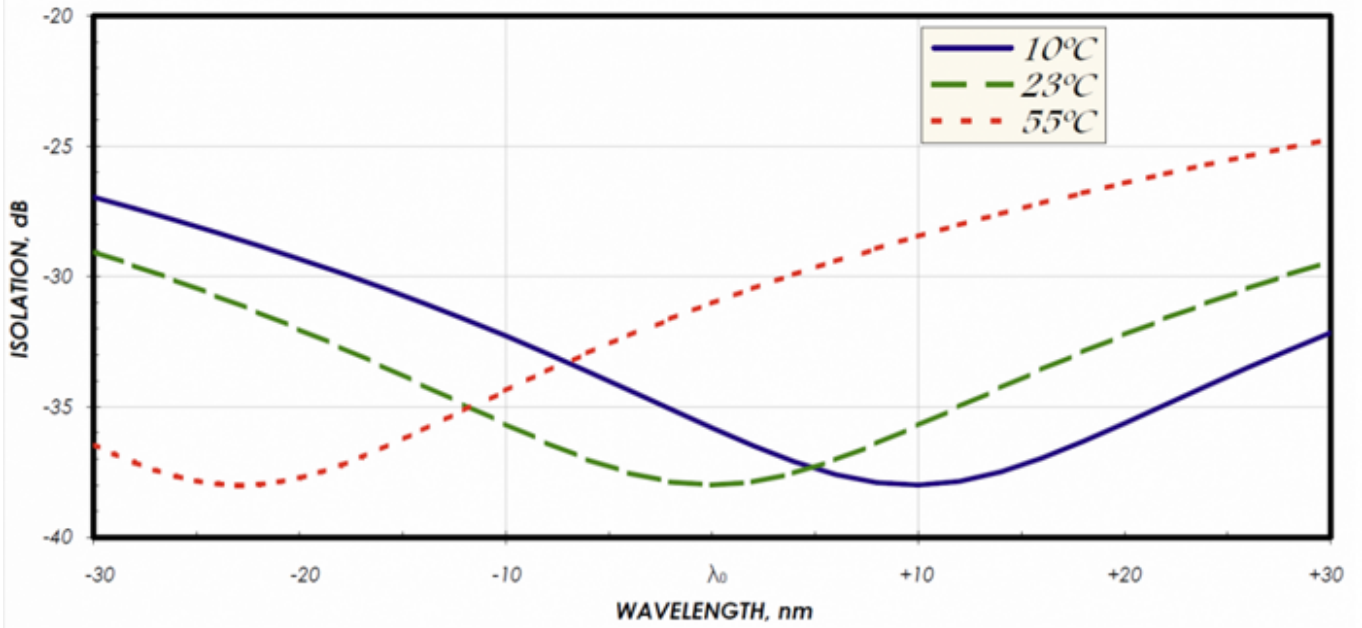
## Features

- Low Insertion Loss
- High Isolation
- Available as Single Stage, Semi-Double Stage or Full Double Stage
- Polarization Can be Determined by Customer



Specifications	Single Stage				Semi-Double Stage			
Center Wavelength*	1310nm	1480nm	1550nm	1590nm	1310nm	1480nm	1550nm	1590nm
Clear Aperture	0.6mm - 1.6mm				0.6mm - 1.6mm			
Physical Dimensions (W,L,H)	W: 3mm & up, L: 1.6mm & up, H: 2mm & up				W: 3mm & up, L: 2mm & up, H: 2mm & up			
Peak Isolation (typical)	≥ 38dB				≥ 55dB			
Insertion Loss (typical)	≤ 0.25dB				≤ 0.5dB			
Operating Temperature Range	0°C ~ + 55°C							
Storage Temperature Range	-40°C ~ + 85°C							
Maximum Power Density	100W/cm <sup>2</sup>							
Polarization Input/Output	Can Be User Specified							
*other wavelengths available upon request								

TYPICAL ISOLATION CURVES FOR SINGLE STAGE ISOLATOR



TYPICAL ISOLATION CURVES FOR SEMI-DOUBLE ISOLATOR

