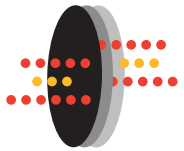


NANO OPTO™ SUBWAVE™ POLARIZER

Broadband Polarizer for Optical Networking Applications



nanoopto

Improving performance through nano engineering

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Product Description

NanoOpto's SubWave Polarizer is ideally suited for high damage threshold, broadband polarization applications requiring excellent optical performance. By harnessing the unique behavior of light when it interacts with subwavelength scale nano-structures, the SubWave Polarizer reduces costs and increases functionality in a broad range of optical component applications.

Applications

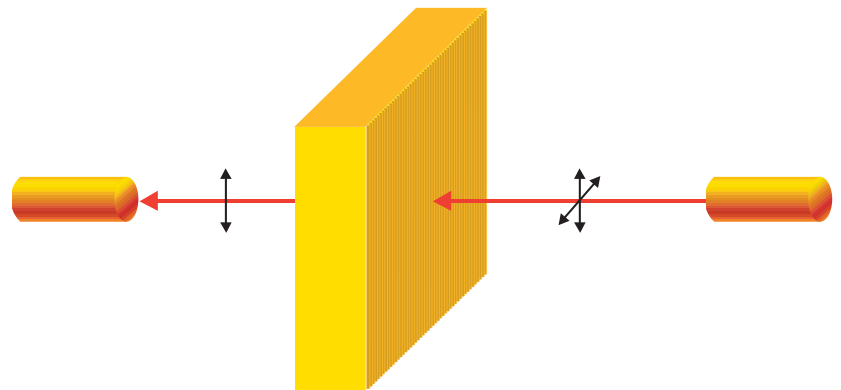
Polarization-specific lasers

Isolators

Circulators

Attenuators

Polarization monitoring



ABOVE *The SubWave Polarizer has a high damage threshold, making it ideal for a broad range of applications.*



SubWave Polarizer Benefits

- **Improved performance** because of high contrast ratios and low insertion loss
- **Broad application base** because of high damage thresholds and broad bandwidth
- **Improved margins** through reduced assembly and materials cost

Product Specifications

Parameter	Specification
Transmittance	> 97%
Transmission extinction	> 40 dB
Wavelength range	1.0 to 1.8 μm
Field of view	$\pm 10^\circ$ to 20°
Operating temperature	-40 to +80 $^\circ\text{C}$
Thickness	0.2 or 0.5 mm
Width and length	1 to 10s of mm

About NanoOpto Corporation

NanoOpto is applying proprietary nano-optics and nano-manufacturing technology to design and make components for optical networking. Based on years of research, the Company's nano-optical design capability allows orders of magnitude more rapid prototyping, higher performance, and lower overall system cost. Both on its own and with corporate partners, NanoOpto will use patented nano-optic and nano-pattern transfer technologies to produce better

conventional optical components and also to create new classes of modular, readily integrated nano-optic components. The Company's development of patented nano-pattern transfer technology forms the basis for high volume manufacturing at its facility in Somerset, New Jersey.

For more information about NanoOpto and its products, contact sales@NanoOpto.com or visit www.NanoOpto.com.



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