

NIR Wire Grid Polarizer, HT, 700-2500nm, 50mm Dia.



Photo shows 26-998 and 27-000 NIR Wire Grid Polarizers

Stock **#27-003** 1 In Stock

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1

+

₹1,38,573

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Qty 1-5	₹1,38,573 each
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General

Type:

Linear Polarizer

Physical & Mechanical Properties

Clear Aperture CA (mm):

42

Diameter (mm):

50.00 ±0.2

Thickness (mm):

5.80 ±0.2 (with mount)	
Wire Grid	Construction:
Optical Properties	
0° ±20°	Angle of Incidence (°):
Uncoated	Coating:
150:1@900nm 500:1@1400nm 800:1@1900nm 1000:1@2400nm	Extinction Ratio:
Wire Grid on Display Grade Glass	Substrate: □
80-50	Surface Quality:
>88.1@900nm >91.0@1400nm >91.3@1900nm >90.3@2400nm	Transmission (%):
700 - 2500	Wavelength Range (nm):
Threading & Mounting	
Mounted 6061 Anodized Aluminium	Mount:
Material Properties	
31.7 x 10-7/°C (0 - 300°C)	Thermal Expansion:
Regulatory Compliance	
View	Certificate of Conformance:
United States	Country of Origin:
Edmund Optics India Private Limited	Imported By:

Product Details

- Designed for 700 - 2500nm
- High Transmission and High Contrast Versions Available
- Ideal for Thermal Imaging

NIR Wire Grid Polarizers are broadband polarizers designed to provide high transmission from 700 - 2500nm. These polarizers are optimized as either a high contrast version, providing 5900:1 extinction ratio at 2400nm, or as a high transmission version providing up to 91% transmission at 1900nm. NIR Wire Grid Polarizers are manufactured on high-grade display glass, providing excellent heat resistance for NIR applications. When incident light strikes the wire grid, P-polarized light contacts a dielectric and is transmitted, while S-polarized light contacts a mirror and is reflected.

Special Handling

These optics require special handling to avoid damage and ensure long-term performance. Proper handling, cleaning, and storage are essential to maintain optical quality. Explore our [Optics Cleaning Resources](#) for step-by-step guides and best practices. For personalized assistance, [Email us](#) or [Chat](#) with our technical support team.



Component Handling Tools