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



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

Stock **#26-996** **1 In Stock**

MRP ₹1,96,232

Price inclusive of all taxes

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| Volume Pricing | |
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| Qty 1-5 | ₹1,96,232 each |
| Qty 6+ | ₹1,76,558 each |
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Product Downloads

General

Linear Polarizer **Type:**

Physical & Mechanical Properties

42 **Clear Aperture CA (mm):**

50.00 ±0.2 **Diameter (mm):**

5.80 ±0.2 (with mount) **Thickness (mm):**

Wire Grid **Construction:**

Optical Properties

0° ±20° **Angle of Incidence (°):**

Uncoated **Coating:**

1100:1@900nm
3000:1@1400nm
5500:1@1900nm
5900:1@2400nm **Extinction Ratio:**

Wire Grid on Display Grade Glass **Substrate:** □

80-50 **Surface Quality:**

>81.5@900nm
>87.7@1400nm
>88.9@1900nm
>88.6@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
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91-80-6845 0000 **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