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## NIR Wire Grid Polarizer, HC, 700nm-2500nm, 50 x 35mm Dia



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

Stock **#26-997** **1 In Stock**

⊖ 1 ⊕ ₹1,31,365

● Price inclusive of all taxes

**ADD TO CART**

### Volume Pricing

Qty 1-5	₹1,31,365 each
Qty 6+	₹1,17,952 each
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### Product Downloads

### General

Linear Polarizer **Type:**

### Physical & Mechanical Properties

46 x 31 **Clear Aperture CA (mm):**

50 x 35 ±0.2 **Dimensions (mm):**

1.53 ±0.2      **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

Unmounted      **Mount:**

## Material Properties

31.7 x 10<sup>-7</sup>/°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