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# NIR Wire Grid Polarizer, HC, 700nm-2500nm, 25mm Dia.

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

Stock **#26-994** **1 In Stock**

- 1 + **€975**.00

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| Volume Pricing | |
|---|---|
| Qty 1-5 | **€975,00** each |
| Qty 6+ | **€880,00** each |
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Product Downloads

## General

**Type:**

Linear Polarizer

## Physical & Mechanical Properties

**Clear Aperture CA (mm):**

19

**Diameter (mm):**

25.00 ±0.2

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

**Construction:**
Wire Grid

## Optical Properties

**Angle of Incidence (°):**
0° ±20°

**Coating:**
Uncoated

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

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

**Surface Quality:**
80-50

**Transmission (%):**
>81.5@900nm
>87.7@1400nm
>88.9@1900nm
>88.6@2400nm

**Wavelength Range (nm):**
700 - 2500

## Threading & Mounting

**Mount:**
Mounted 6061 Anodized Aluminium

## Material Properties

**Thermal Expansion:**
31.7 x 10-7/°C (0 - 300°C)

## Regulatory Compliance

**Certificate of Conformance:**
View

# 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**

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