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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 +

A$2,496.00

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Volume Pricing	
Qty 1-5	**A$2,496.00** each
Qty 6+	**A$2,240.00** each
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General

Type:

Linear Polarizer

Physical & Mechanical Properties

Clear Aperture CA (mm):

46 x 31

Dimensions (mm):

50 x 35 ±0.2

Thickness (mm):

1.53 ±0.2

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:

Unmounted

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