

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

+

£1,248⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	£1,248.00 each
Qty 6+	£1,120.00 each
Need More?	Request Quote

ⓘ Prices shown are exclusive of VAT/local taxes

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 10-7/C (0 - 300°C)	Thermal Expansion:
Regulatory Compliance	
View	Certificate of Conformance:

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