

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



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

Stock **#27-003** 1 In Stock

-

1

+

C\$2,723<sup>00</sup>

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | C\$2,723.00 each              |
| Qty 6+         | C\$2,450.00 each              |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Type:

Linear Polarizer

Physical & Mechanical Properties

Clear Aperture CA (mm):

42

Diameter (mm):

50.00 ±0.2

Thickness (mm):

|                                                              |                             |
|--------------------------------------------------------------|-----------------------------|
| 5.80 ±0.2 (with mount)                                       |                             |
| Wire Grid                                                    | Construction:               |
| Optical Properties                                           |                             |
| 0° ±20°                                                      | Angle of Incidence (°):     |
| Uncoated                                                     | Coating:                    |
| 150:1@900nm<br>500:1@1400nm<br>800:1@1900nm<br>1000:1@2400nm | Extinction Ratio:           |
| Wire Grid on Display Grade Glass                             | Substrate: □                |
| 80-50                                                        | Surface Quality:            |
| >88.1@900nm<br>>91.0@1400nm<br>>91.3@1900nm<br>>90.3@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                                        |                             |
| <a href="#">View</a>                                         | 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