

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



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

1 MRP ₹1,96,232

Price inclusive of all taxes

ADD TO CART

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

Volume Pricing	
Qty 1-5	₹1,96,232 each
Qty 6+	₹1,76,558 each
Need More?	Request Quote

Product Downloads

- STEP:step
- PDF Drawing:pdf
- IGES:igs
- eDrawing:eprt
- EO Spec Sheet
- [Download All](#)

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)	Construction:	Wire Grid

Optical Properties

Angle of Incidence (°):	0° ±20°	Coating:	Uncoated
Extinction Ratio:	150:1@900nm 500:1@1400nm 800:1@1900nm 1000:1@2400nm	Substrate: ⓘ	Wire Grid on Display Grade Glass
Surface Quality:	80-50	Transmission (%):	>88.1@900nm >91.0@1400nm >91.3@1900nm >90.3@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](#)

Country of Origin: United States

Imported By: Edmund Optics
India Private
Limited
267, Greystone
Building,
Second Floor,
6th Cross Rd,
Binnamangala,
Stage 1,
Indiranagar,
Bengaluru,
Karnataka,
India 560038
Phone: +91-
80-6845 0000

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.

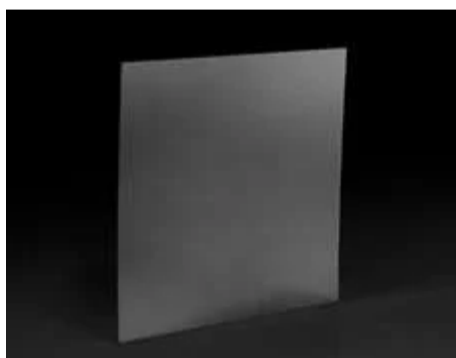
Special Handling

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

Related Products



Wire Grid Polarizing Film



UV Wire Grid Linear Polarizers



Protective Overcoat Wire
Grid Polarizers



Infrared (IR) Wire Grid Polarizers

Frequently Purchased Together



#88-247 - 50 x 50mm, 3-5 μ m, High
Contrast IR Wire Grid Polarizer
₹2,33,056

Qty



#71-208 - 50.8mm Dia. 300 -
2700nm Broadband Polarizer
₹3,40,504

Qty



Resources

Media Type

Glossary

