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300 Grooves, 12.7mm Square, 1000nm NIR Ruled Grating



Stock #49-569 **3 In Stock**

€155.⁰⁰

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Volume Pricing	
Qty 1-9	€155,00 each
Qty 10-24	€139,50 each
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i Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Reflective Diffraction Grating **Type:**

Physical & Mechanical Properties

12.7 x 12.7 ±0.5 **Dimensions (mm):**

90 **Clear Aperture (%):**

Ruled Grating **Construction:**

Parallel to Short Dimension **Direction of Grooves:**

12.70 **Length (mm):**

6.00 ±0.5 **Thickness (mm):**

12.70 **Width (mm):**

±0.5 **Alignment of Grooves to Edge (°):**

Optical Properties

300 **Groove Density (grooves/mm):**

700 - 3000 **Wavelength Range (nm):**

1000 **Blaze Wavelength (nm):**

8.60 **Blaze Angle (°):**

Bare Gold **Coating:**

Float Glass **Substrate:**

Regulatory Compliance

Compliant **RoHS 2015:**

View **Certificate of Conformance:**

Compliant **Reach 247:**

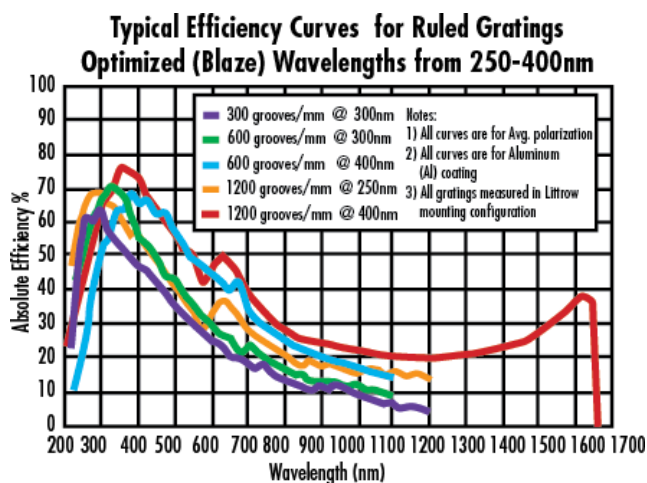
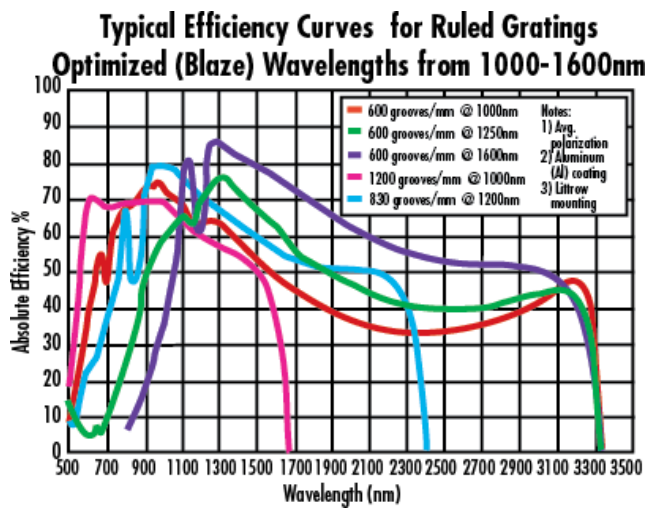
Product Details

- Increased Reflection from 700 - 1100nm

Near-IR (NIR) Reflective Gold Gratings are ruled gold-coated versions of our commercial gratings. These gratings provide increased reflection from 700 - 1100nm. This makes them an excellent choice for applications such as fiber optic pulse compression and spectroscopy setups using [silicon detectors](#). Near-IR (NIR) Reflective Gold Gratings feature a float glass substrate and a ruled grating construction. The gratings are available in three sizes, with varying groove densities and blaze wavelengths.

Handling Gratings: Gratings require special handling, making them prone to fingerprints and aerosols. Gratings should only be handled by the edges. Before attempting to clean a grating, please [contact us](#).

Technical Information



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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