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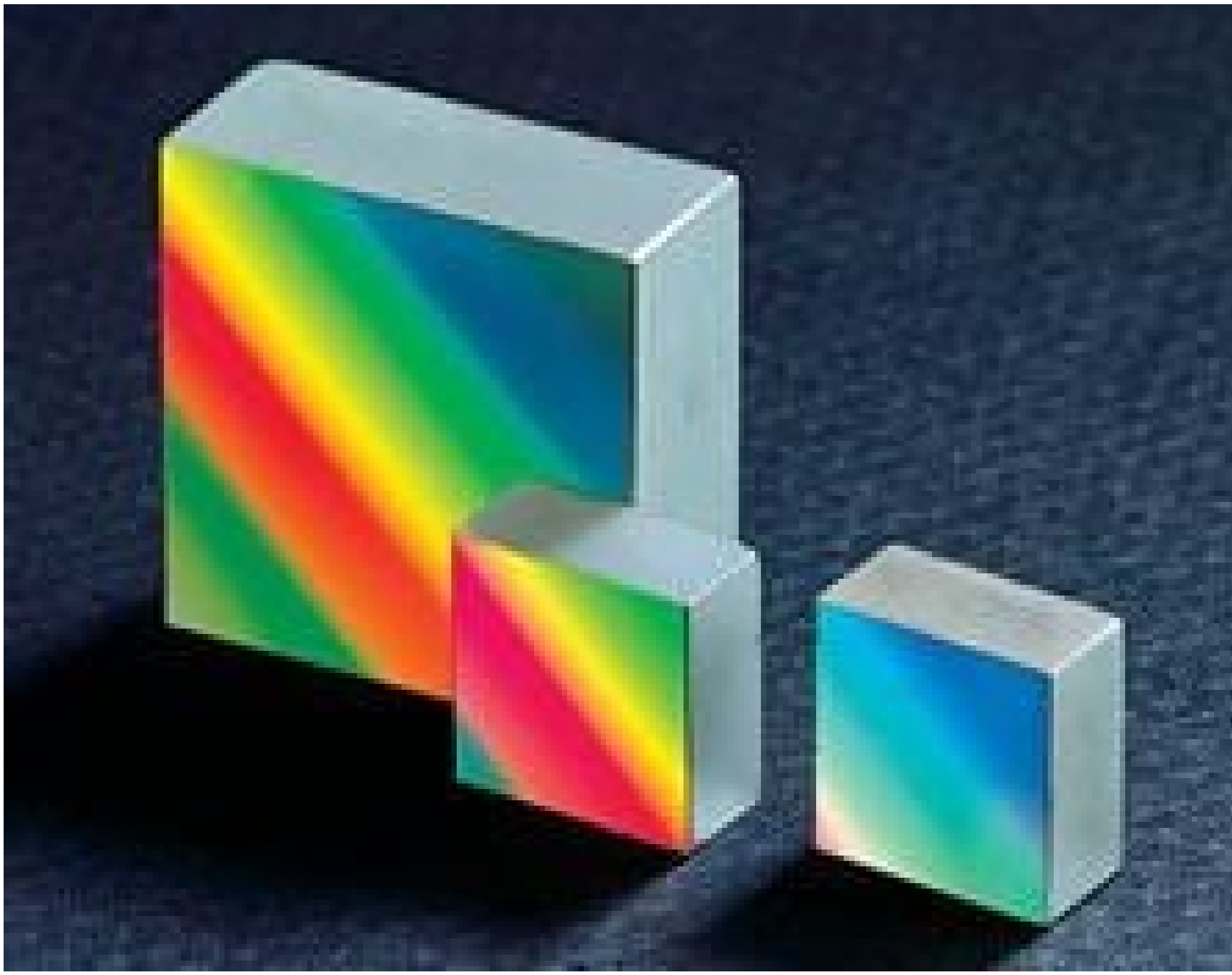
600 Grooves, 12.7mm Square, 1250nm NIR Ruled Grating



Stock **#49-571** **2 In Stock**

- 1 + **A$248**.00

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Volume Pricing	
Qty 1-9	**A$248.00** each
Qty 10-24	**A$223.20** each
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Product Downloads

General

Type:

Reflective Diffraction Grating

Physical & Mechanical Properties

Dimensions (mm):

12.7 x 12.7 ±0.5

Clear Aperture (%):

90

Construction:

Ruled Grating

Direction of Grooves:
Parallel to Short Dimension

Length (mm):
12.70

Thickness (mm):
6.00 ±0.5

Width (mm):
12.70

Alignment of Grooves to Edge (°):
±0.5

Optical Properties

Groove Density (grooves/mm):
600

Wavelength Range (nm):
700 - 3000

Blaze Wavelength (nm):
1250

Blaze Angle (°):
22.02

Coating:
Bare Gold

Substrate:
Float Glass

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 247:
Compliant

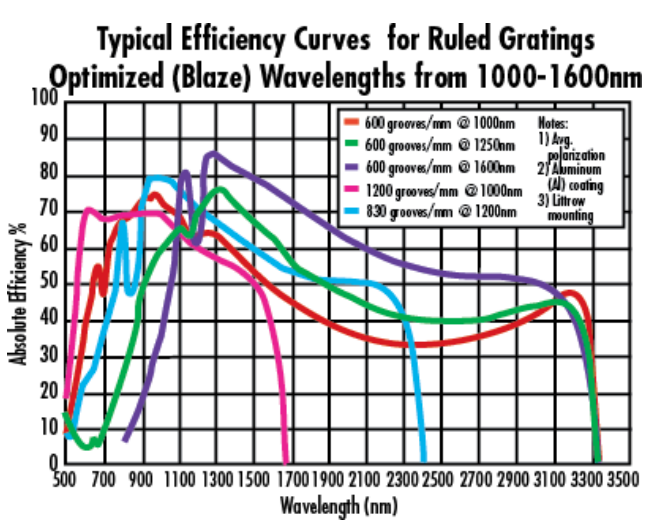
Product Details

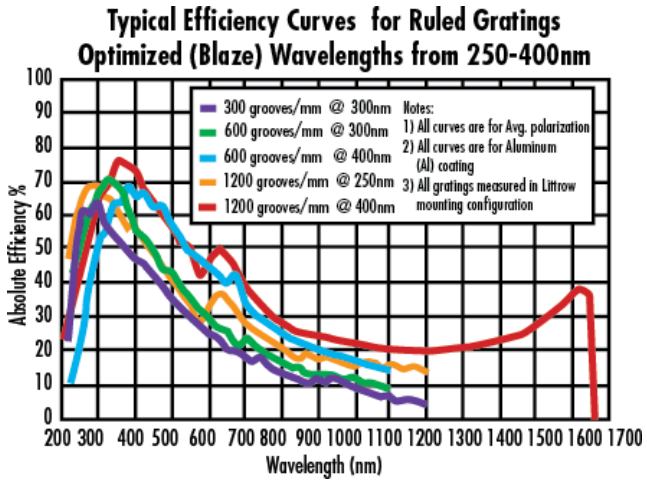
- Increased Reflection from 700 - 1100nm

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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