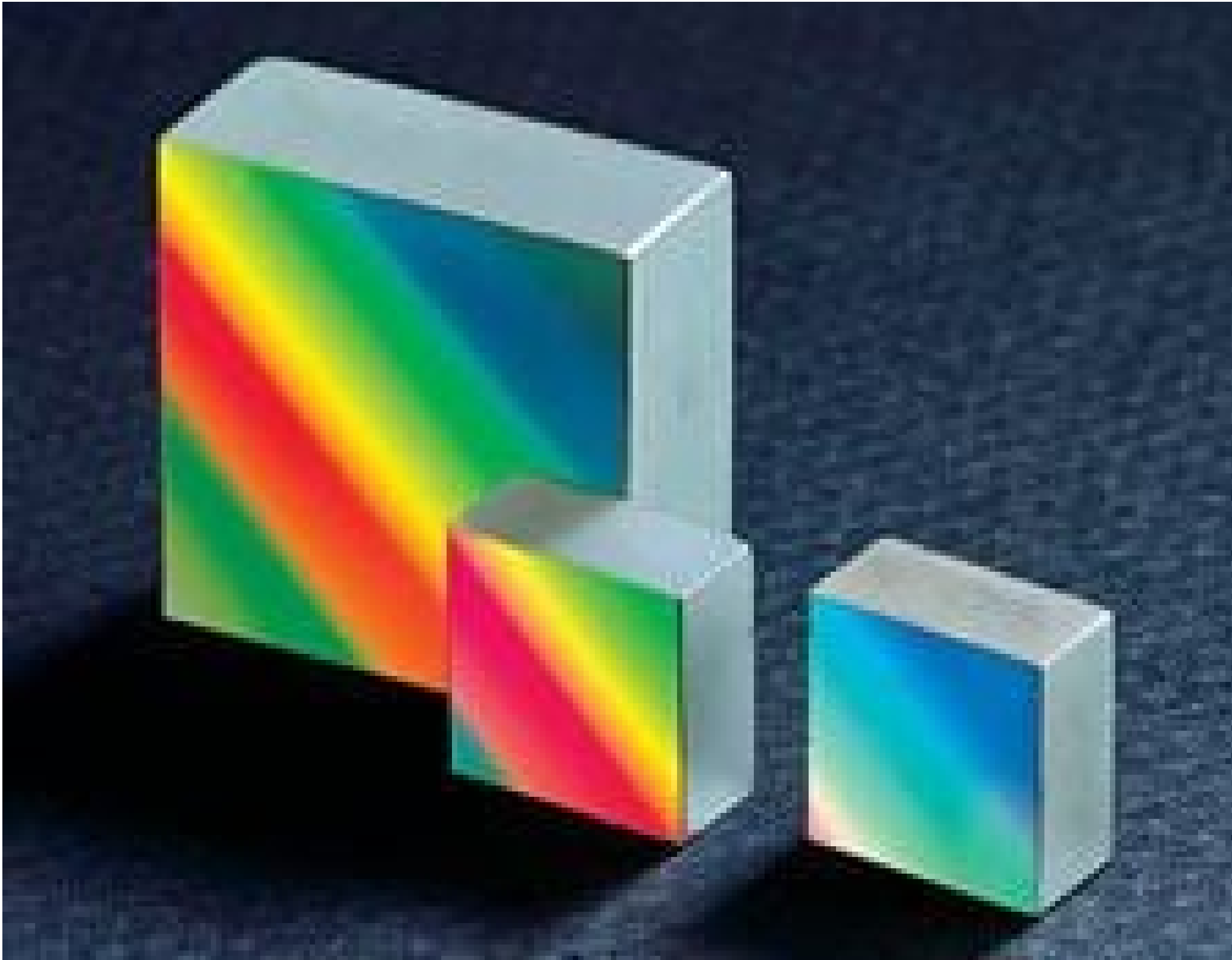


830 Grooves, 25mm Square, 800nm NIR Ruled Grating



Stock **#43-850** 7 In Stock

-

1

+

\$S\$146^{.06}

~~\$S\$243.44~~

ADD TO CART

Volume Pricing	
Qty 1+	\$S\$243.44 \$S\$146.06 each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

Reflective Diffraction Grating

Type:

Physical & Mechanical Properties

25.0 x25.0 ±0.5

Dimensions (mm):

90	Clear Aperture (%):
Ruled Grating	Construction:
Parallel to Short Dimension	Direction of Grooves:
25.00	Length (mm):
9.50 ±0.5	Thickness (mm):
25.00	Width (mm):
±0.5	Alignment of Grooves to Edge (°):

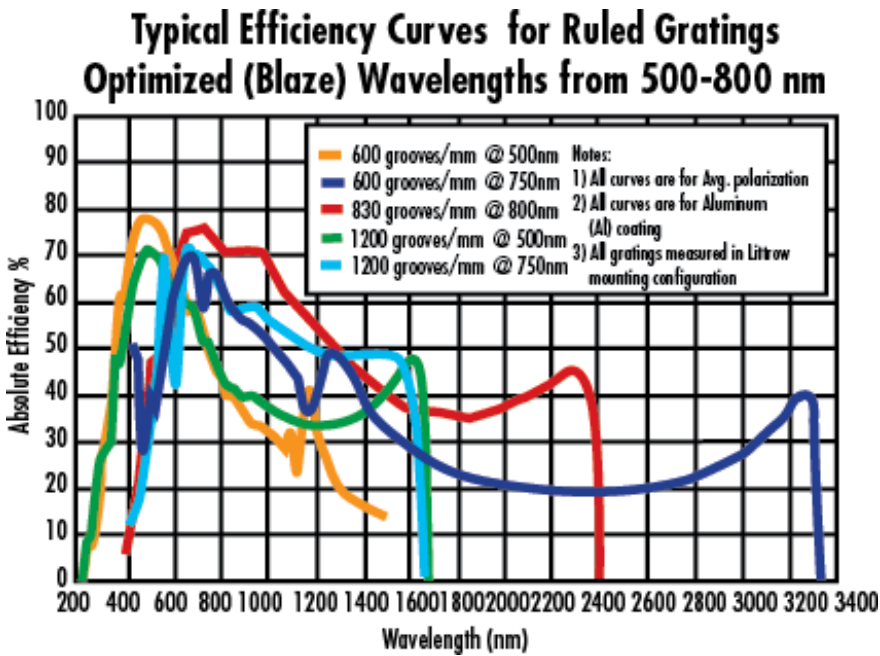
Optical Properties	
830	Groove Density (grooves/mm):
700 - 3000	Wavelength Range (nm):
800	Blaze Wavelength (nm):
19.38	Blaze Angle (°):
Bare Gold	Coating:
Float Glass	Substrate: ☐

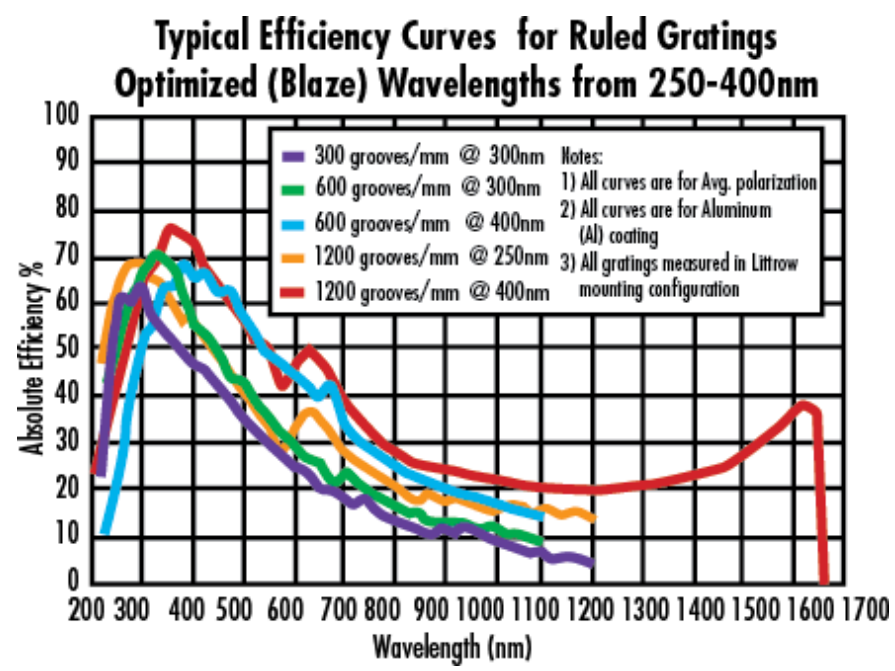
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

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