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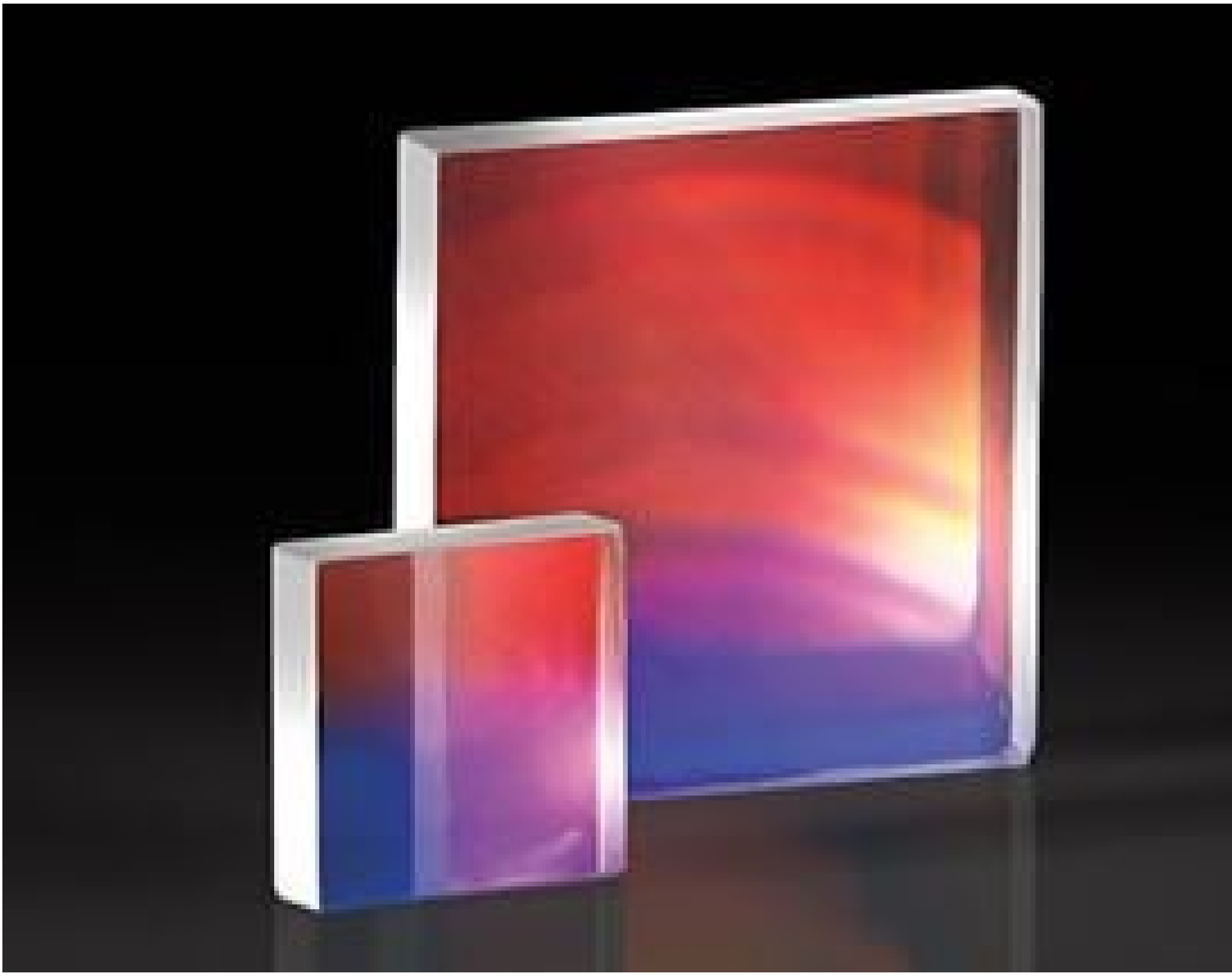
1200 Grooves/mm, 12.7mm Sq, UV Transmission Grating Beamsplitter



Stock **#85-290** **5 In Stock**

- 1 + **C$180**.60

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Volume Pricing	
Qty 1-9	**C$180.60** each
Qty 10-24	**C$162.54** each
Qty 25+	**C$135.45** each
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Product Downloads

General

Type:
Transmission Diffraction Grating

Physical & Mechanical Properties

Dimensions (mm):
12.70 x 12.70

Clear Aperture (%):
90

Construction:
Blazed Grating

Length (mm):
12.70

Thickness (mm):
2.00 ±0.5

Width (mm):
12.70

Alignment of Grooves to Edge (°):
±0.5

Optical Properties

Groove Density (grooves/mm):
1200

Wavelength Range (nm):
250 - 450

Blaze Angle (°):
26.7

Substrate:
Fused Silica (Corning 7980)

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 247:
Compliant

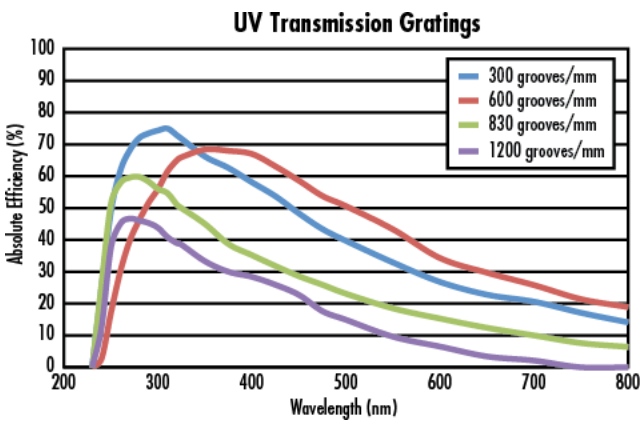
Product Details

- Multiple Diffraction Angles Available
- UV Grade Fused Silica Substrate
- Ideal for Fixed Grating Applications

Ideal for spectrographs and other compact systems using small detector arrays, UV Transmission Gratings are a simplistic means of dispersing light for fixed grating applications in the 250 – 450nm wavelength range. As incident light strikes the UV Transmission Gratings' coarse groove spacing, it is dispersed on the opposite side of the grating at a fixed angle. As groove spacing increases, the diffraction angle decreases. UV Transmission Gratings are relatively polarization insensitive and are fairly insensitive to alignment errors.

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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