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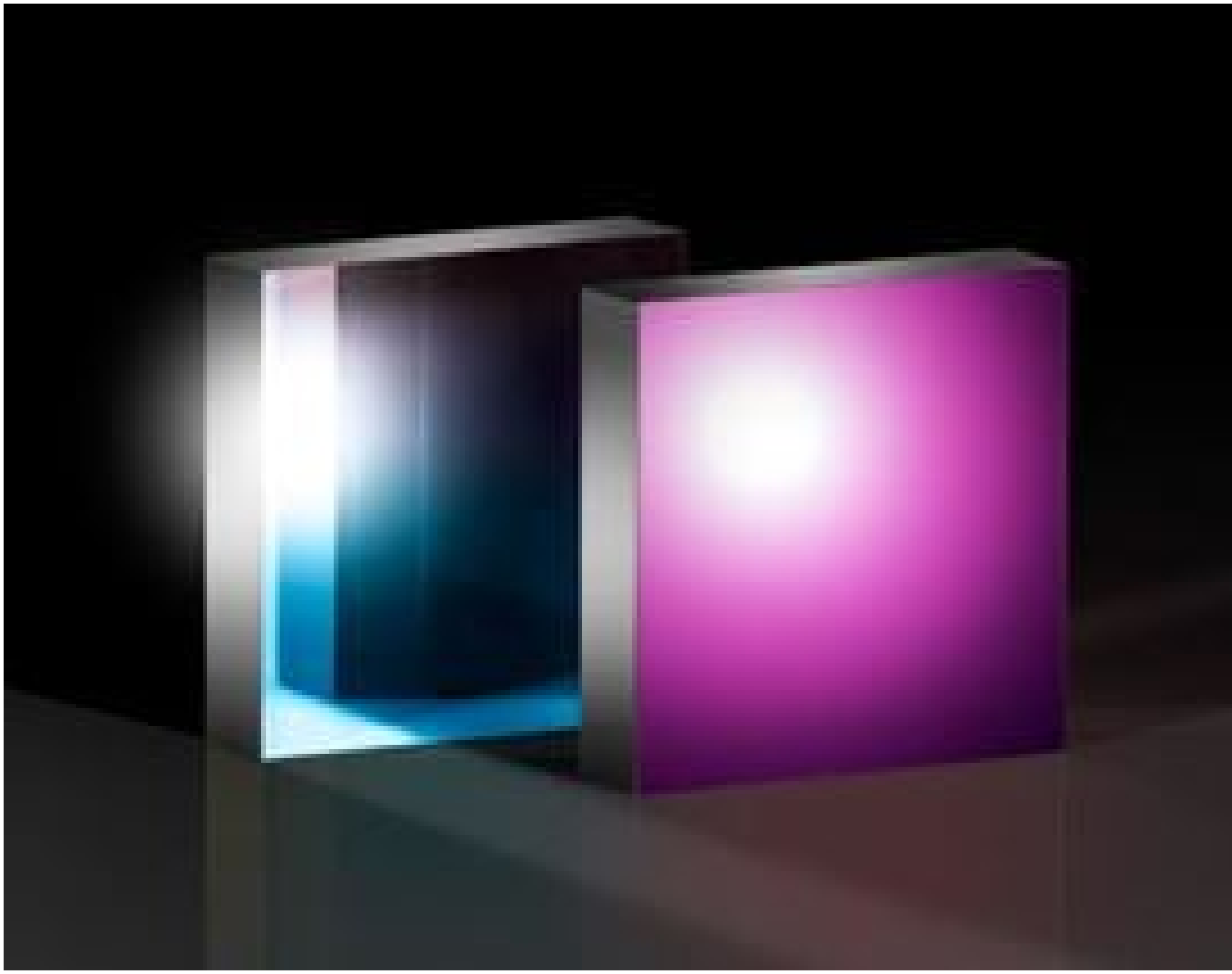
600 Grooves/mm, 22° Groove Angle, 12.7mm Sq, DUV Transmission Grating



DUV Transmission Gratings

Stock **#73-797** **2 In Stock**

- 1 +

S$917.00

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Volume Pricing	
Qty 1-9	**S$917.00** each
Qty 10-24	**S$825.30** each
Need More?	Request Quote

Product Downloads

General

Type:

Transmission Diffraction Grating

Physical & Mechanical Properties

Dimensions (mm):

12.70 x 12.70

Clear Aperture (%):

90

Construction:

Ruled Grating

Thickness (mm):
2.00

Optical Properties

Groove Density (grooves/mm):
600

Wavelength Range (nm):
200 - 400

Blaze Angle (°):
22

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

Reach 247:
Compliant

Product Details

- Designed for Deep Ultraviolet (DUV) Wavelengths between 190 - 400nm
- High Performance in Harsh Environments
- Multiple Diffraction Angles Available in 12.7 or 25mm Square Sizes
- 2025 SPIE Prism Award Winning Product

Omega Optical DUV Transmission Gratings are designed to extend into the deep UV range, covering 190 - 400nm. Featuring good environmental stability and resistance to solarization, these gratings offer high performance and durability for systems operating in harsh environments. These Gratings provide a diffraction efficiency of 20% for wavelengths greater than 190nm and up to 50% for wavelengths between 200 - 240nm. Omega Optical DUV Transmission Gratings are available in 12.7 and 25mm square construction with resolution ranges from 300 - 1200 grooves/mm. These gratings are ideal for applications that require high-performance solutions, such as semiconductor manufacturing and life science analysis.

Handling Gratings: Gratings require special handling and are prone to damage from fingerprints and aerosols. Gratings should only be handled by the edges.

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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