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## 1200 Grooves/mm, 26.7° Groove Angle, 12.7mm Sq, DUV Transmission Grating



DUV Transmission Gratings

Stock #73-799 **2 In Stock**

⊖ 1 ⊕ **\$\$917<sup>00</sup>**

**ADD TO CART**

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | <b>\$\$917.00</b> each        |
| Qty 10-24      | <b>\$\$825.30</b> each        |
| Need More?     | <a href="#">Request Quote</a> |

### Product Downloads

### General

Transmission Diffraction Grating **Type:**

### Physical & Mechanical Properties

12.70 x 12.70 **Dimensions (mm):**

90 **Clear Aperture (%):**

**Construction:**

Ruled Grating

Thickness (mm):

2.00

## Optical Properties

Groove Density (grooves/mm):

1200

Wavelength Range (nm):

190 - 400

Blaze Angle (°):

26.7

## Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

[View](#)

Reach 247:

Compliant

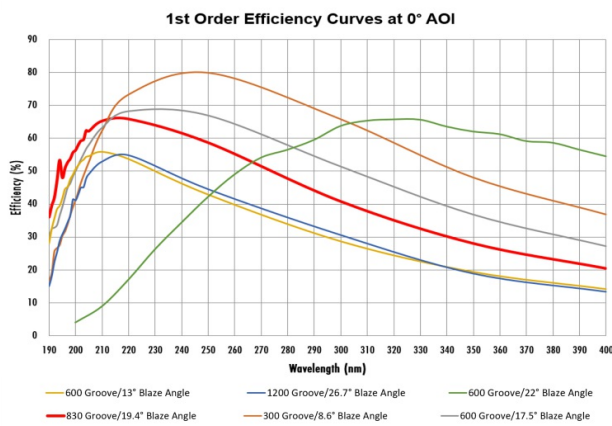
## Product Details

- 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