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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 ⊕ £524<sup>00</sup>

**ADD TO CART**

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | £524.00 each                  |
| Qty 10-24      | £471.60 each                  |
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ⓘ Prices shown are exclusive of VAT/local taxes

### Product Downloads

### General

Transmission Diffraction Grating **Type:**

### Physical & Mechanical Properties

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

90 **Clear Aperture (%):**

Ruled Grating **Construction:**

2.00 **Thickness (mm):**

## Optical Properties

600 **Groove Density (grooves/mm):**

200 - 400 **Wavelength Range (nm):**

22 **Blaze Angle (°):**

## Regulatory Compliance

**RoHS 2015:**  
[Compliant](#)

**Certificate of Conformance:**  
[View](#)

**Reach 247:**  
[Compliant](#)

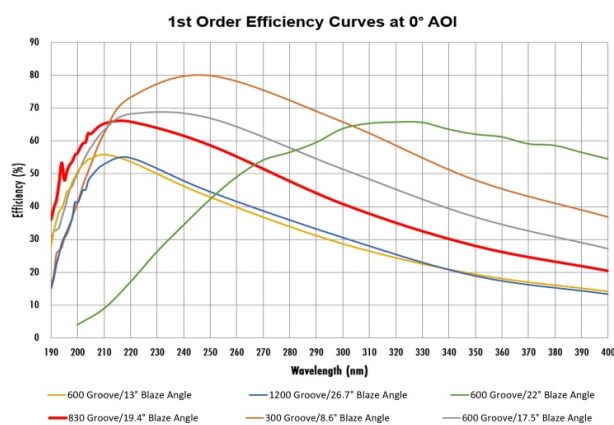
## Product Details

- 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