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## 1200 Grooves/mm, 50mm Sq, UV Transmission Grating Beamsplitter



Stock #85-300 **3 In Stock**

⊖ 1 ⊕ S\$511<sup>00</sup>

**ADD TO CART**

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | S\$511.00 each                |
| Qty 10-24      | S\$459.90 each                |
| Qty 25+        | S\$383.25 each                |
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### Product Downloads

### General

Transmission Diffraction Grating **Type:**

### Physical & Mechanical Properties

50.00 x 50.00 **Dimensions (mm):**

90 **Clear Aperture (%):**

|                |  |
|----------------|--|
| Blazed Grating | <b>Construction:</b>                     |
| 50.00          | <b>Length (mm):</b>                      |
| 2.00 ±0.5      | <b>Thickness (mm):</b>                   |
| 50.00          | <b>Width (mm):</b>                       |
| ±0.5           | <b>Alignment of Grooves to Edge (°):</b> |

## Optical Properties

|                             |  |
|-----------------------------|--|
| 1200                        | <b>Groove Density (grooves/mm):</b>        |
| 250 - 450                   | <b>Wavelength Range (nm):</b>              |
| 26.7                        | <b>Blaze Angle (°):</b>                    |
| Fused Silica (Corning 7980) | <b>Substrate:</b> <input type="checkbox"/> |

## Regulatory Compliance

|           |                                    |
|-----------|------------------------------------|
| Compliant | <b>RoHS 2015:</b>                  |
| View      | <b>Certificate of Conformance:</b> |
| Compliant | <b>Reach 247:</b>                  |

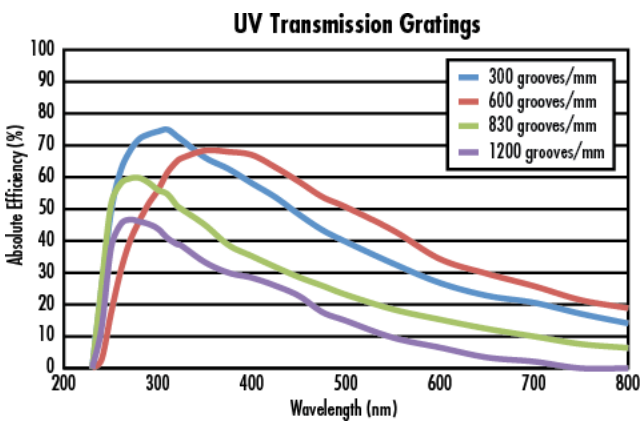
## Product Details

- 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