

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



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

-

1

+

€129<sup>.00</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | €129,00 each                  |
| Qty 10-24      | €116,10 each                  |
| Qty 25+        | €96,75 each                   |
| Need More?     | <a href="#">Request Quote</a> |

ⓘ 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 (%):

|                |                 |
|----------------|-----------------|
| Blazed Grating | Construction:   |
| 12.70          | Length (mm):    |
| 2.00 ±0.5      | Thickness (mm): |
| 12.70          | Width (mm):     |

|      |                                   |
|------|-----------------------------------|
| ±0.5 | Alignment of Grooves to Edge (°): |
|------|-----------------------------------|

Optical Properties

|           |                              |
|-----------|------------------------------|
| 1200      | Groove Density (grooves/mm): |
| 250 - 450 | Wavelength Range (nm):       |

|      |                  |
|------|------------------|
| 26.7 | Blaze Angle (°): |
|------|------------------|

|                             |                                     |
|-----------------------------|-------------------------------------|
| Fused Silica (Corning 7980) | Substrate: <input type="checkbox"/> |
|-----------------------------|-------------------------------------|

Regulatory Compliance

|           |                             |
|-----------|-----------------------------|
| Compliant | RoHS 2015:                  |
| View      | Certificate of Conformance: |

|           |            |
|-----------|------------|
| Compliant | Reach 247: |
|-----------|------------|

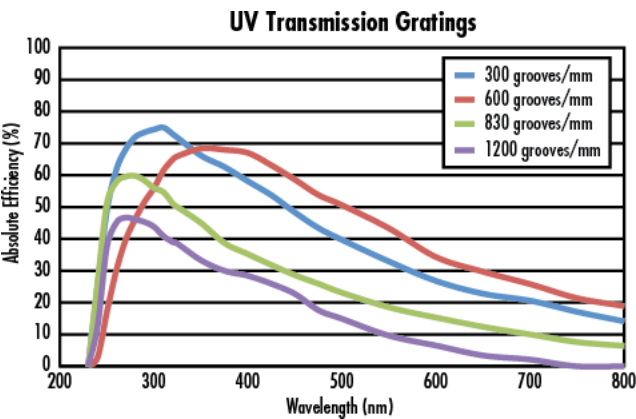
## Product Details

- 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