

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



Stock **#85-287** 1 In Stock

-

1

+

C\$180<sup>.60</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | C\$180.60 each                |
| Qty 10-24      | C\$162.54 each                |
| Qty 25+        | C\$135.45 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 (%):

|                |                                   |
|----------------|-----------------------------------|
| 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          |                                 |
| 300                         | Groove Density (grooves/mm):    |
| 250 - 500                   | Wavelength Range (nm):          |
| 8.6                         | Blaze Angle (°):                |
| Fused Silica (Corning 7980) | Substrate: <input type="text"/> |

|                       |                             |
|-----------------------|-----------------------------|
| Regulatory Compliance |                             |
| Compliant             | RoHS 2015:                  |
| View                  | Certificate of Conformance: |
| Compliant             | Reach 247:                  |

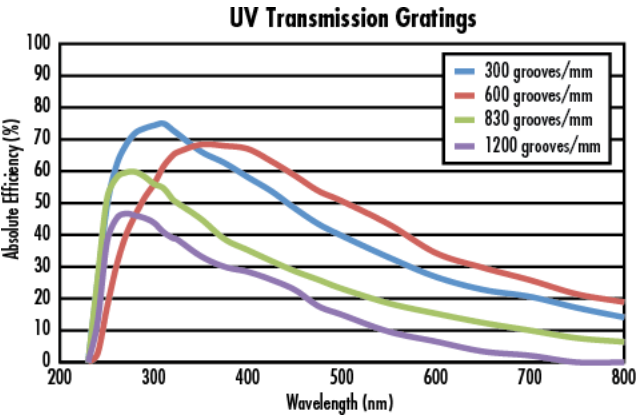
## Product Details

- 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