

[See all 12 Products in Family](#)

830 Grooves/mm, 12.7mm Sq, UV Transmission Grating Beamsplitter



Stock #85-289 **11 In Stock**

- 1 + S\$180.⁰⁰

ADD TO CART

Volume Pricing

Qty 1-9	S\$180.60 each
Qty 10-24	S\$162.54 each
Qty 25+	S\$135.45 each
Need More?	Request Quote

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

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

Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

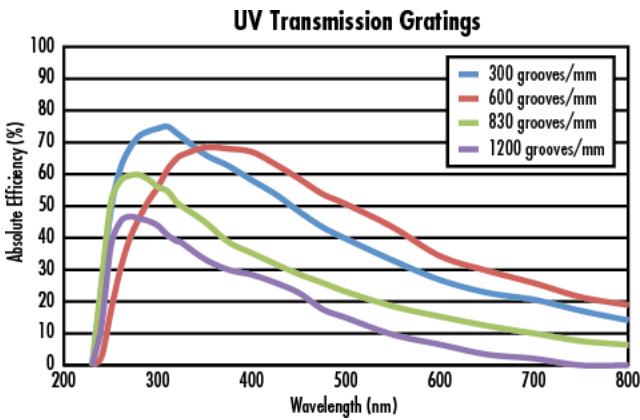
Product Details

- 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