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830 Grooves/mm, 50mm Sq, UV Transmission Grating Beamsplitter



Stock **#85-299** **1 In Stock**

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1

+

€365^{.00}

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Volume Pricing	
Qty 1-9	€365,00 each
Qty 10-24	€328,50 each
Qty 25+	€273,75 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Transmission Diffraction Grating

Type:

Physical & Mechanical Properties

50.00 x 50.00

Dimensions (mm):

90

Clear Aperture (%):

Blazed Grating	Construction:
50.00	Length (mm):
2.00 ±0.5	Thickness (mm):
50.00	Width (mm):

±0.5	Alignment of Grooves to Edge (°):
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Optical Properties	
830	Groove Density (grooves/mm):
250 - 450	Wavelength Range (nm):
19.4	Blaze Angle (°):
Fused Silica (Corning 7980)	Substrate: ☐

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

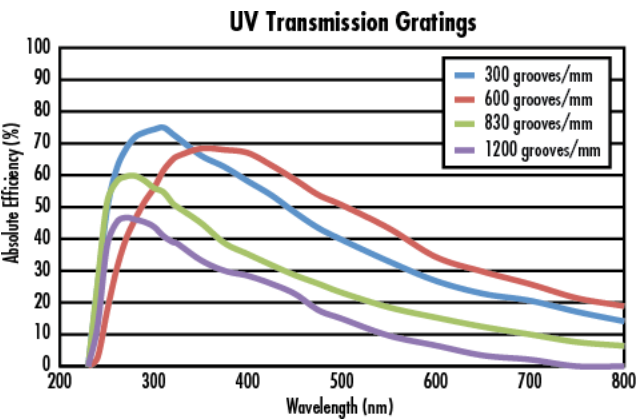
Product Details

- 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