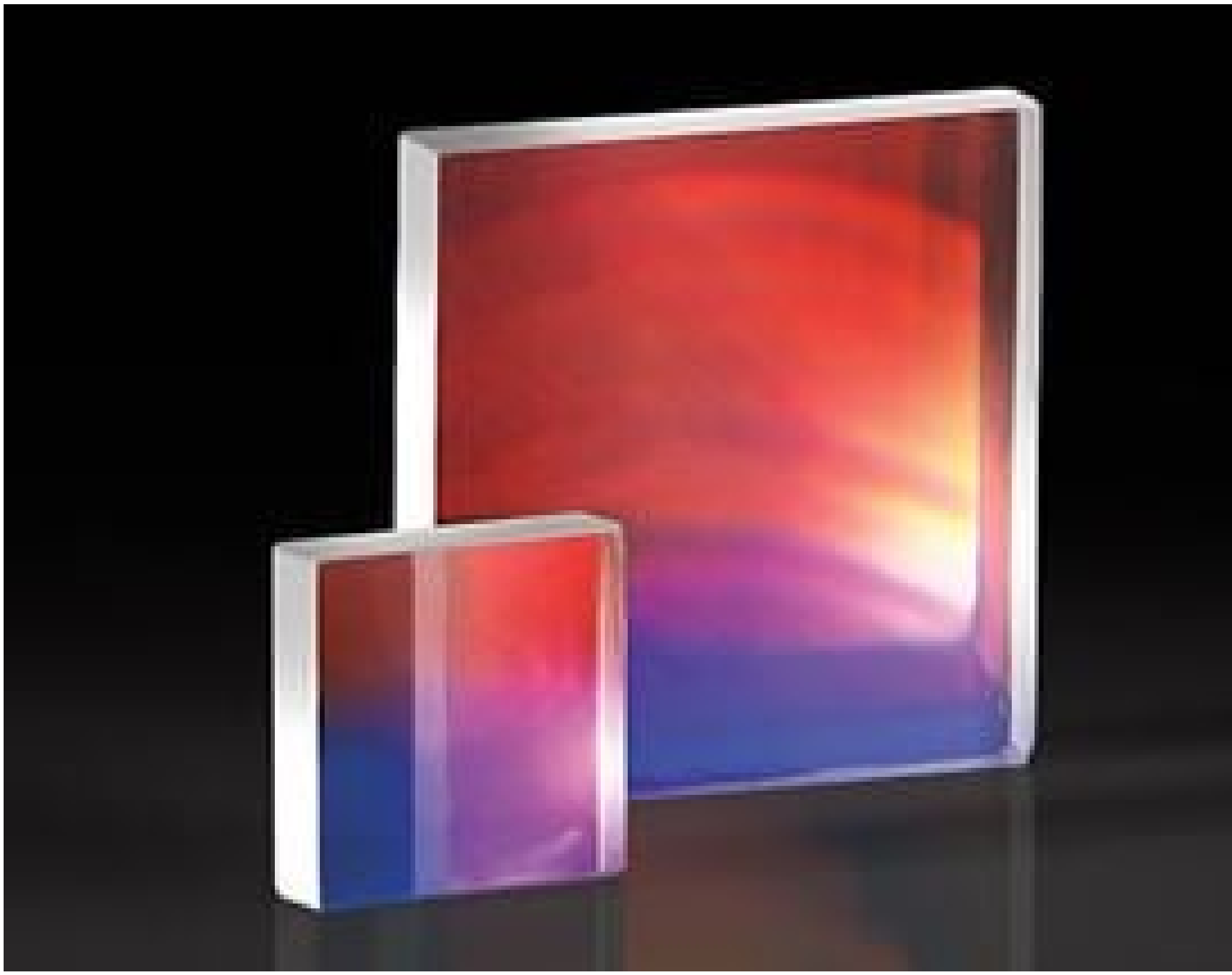
See all 12 Products in Family

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



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

- 1 +  **MRP ₹13,015**

Price inclusive of all taxes

**ADD TO CART**

| Volume Pricing | |
|---|---|
| Qty 1-9 | **₹13,015** each |
| Qty 10-24 | **₹11,714** each |
| Qty 25+ | **₹9,762** each |
| Need More? | Request Quote |

Product Downloads

## General

**Type:**

Transmission Diffraction Grating

## Physical & Mechanical Properties

**Dimensions (mm):**

12.70 x 12.70

**Clear Aperture (%):**

90

| | |
|---|---|
| **Construction:** | Blazed Grating |
| **Length (mm):** | 12.70 |
| **Thickness (mm):** | 2.00 ±0.5 |
| **Width (mm):** | 12.70 |
| **Alignment of Grooves to Edge (°):** | ±0.5 |

## Optical Properties

| | |
|---|---|
| **Groove Density (grooves/mm):** | 300 |
| **Wavelength Range (nm):** | 250 - 500 |
| **Blaze Angle (°):** | 8.6 |
| **Substrate:** | Fused Silica (Corning 7980) |

## Regulatory Compliance

| | |
|---|---|
| **RoHS 2015:** | Compliant |
| **Certificate of Conformance:** | View |
| **Reach 247:** | Compliant |
| **Country of Origin:** | United States |
| **Imported By:** | Edmund Optics India Private Limited<br>267, Greystone Building, Second Floor,<br>6th Cross Rd, Binnamangala,<br>Stage 1, Indiranagar, Bengaluru,<br>Karnataka, India 560038<br>Phone: +91- 80-6845 0000 |

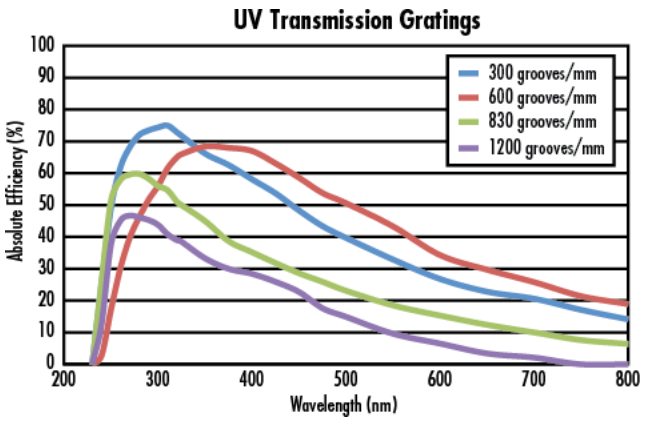
# Product Details

- 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.

;