

[See all 3 Products in Family](#)

## UV Fused Silica 25.4 x 25.4mm Ultrafast Prism



Stock #89-845 **4 In Stock**

MRP ₹25,122

**i** Price inclusive of all taxes

**ADD TO CART**

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | ₹25,122 each                  |
| Qty 6-9        | ₹22,297 each                  |
| Qty 10+        | ₹19,674 each                  |
| Need More?     | <a href="#">Request Quote</a> |

### Product Downloads

#### General

Equilateral Prism **Type:**

#### Physical & Mechanical Properties

+0.0/-0.2 **Dimensional Tolerance (mm):**

<0.25mm x45° **Bevel:**

|       |                             |
|-------|-----------------------------|
| >80   | <b>Clear Aperture (%)</b> : |
| 25.40 | <b>Base Width (mm)</b> :    |
| 25.4  | <b>Base Length (mm)</b> :   |

## Optical Properties

|  |   |
|--|---|
| Uncoated                                   | <b>Coating:</b>                                       |
| <a href="#">Fused Silica</a> (Coming 7980) | <b>Substrate:</b> <input type="checkbox"/>            |
| 20-10                                      | <b>Surface Quality:</b>                               |
| ±3   | <b>Angle Tolerance (arcmin):</b>                      |
| 69.06                                      | <b>Apex Angle (°):</b>                                |
| 350.00                                     | <b>Group Velocity Dispersion (fs<sup>2</sup>/cm):</b> |
| λ/10                                       | <b>Surface Flatness (P-V):</b>                        |
| 36 @ 800nm                                 | <b>Group Velocity Dispersion (fs<sup>2</sup>/mm):</b> |

## Regulatory Compliance

|  |                                    |
|--|------------------------------------|
| <a href="#">Compliant</a>  | <b>RoHS 2015:</b>                  |
| <a href="#">View</a>   | <b>Certificate of Conformance:</b> |
| <a href="#">Compliant</a>  | <b>Reach 247:</b>                  |
| China  | <b>Country of Origin:</b>          |
| 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 | <b>Imported By:</b>                |

### Need different specs or modifications?

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

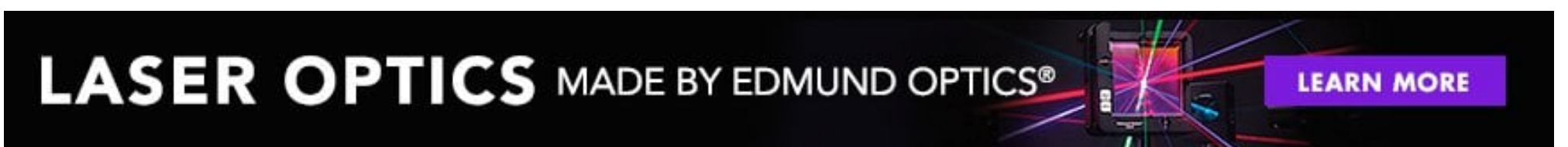
- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

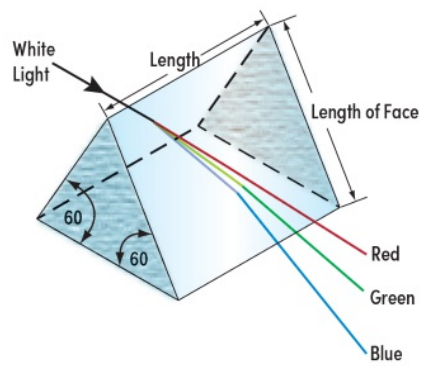
### Product Details

- Polished at Brewster's Angle to Minimize Reflection Loss
- Use Intracavity for Dispersion Compensation
- Use Extracavity to Manipulate Pulse Characteristics

Ultrafast Dispersion-Compensating Prisms are designed for the unique demands of ultrashort pulse laser systems and are available with a range of dispersive properties. When used intracavity, Ultrafast Dispersion-Compensating Prisms can compensate for the dispersion caused by light passing through the fixed cavity optics. When used extracavity, these prisms are used to manipulate pulse characteristics. The Group Velocity Dispersion (GVD) term determines how much a broadband pulse spectrally stretches or compresses and should be chosen depending on the laser source used or the application's dispersion requirements.



## Technical Information



;