

# Barium Fluoride, 25.4mm, Uncoated, ISP Optics IR Equilateral Prism | BF-EP-25

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Stock #25-038 CLEARANCE **14 In Stock**

⊖ 1 ⊕ £1,224<sup>00</sup>

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## Product Downloads

### General

Equilateral Prism **Type:**  
BF-EP-25 **Model Number:**

### Physical & Mechanical Properties

±0.25 **Dimensional Tolerance (mm):**  
**Clear Aperture (%):**

85.00

25.40 Length of Hypotenuse (mm):

25.40 Length of Legs (mm):

### Optical Properties

Uncoated Coating:

Barium Fluoride (BaF<sub>2</sub>) Substrate:

40-20 Surface Quality:

±10 Angle Tolerance (arcmin):

200 - 12000 Wavelength Range (nm):

0.2 - 12 Wavelength Range (µm):

2λ Surface Flatness (P-V):

### Regulatory Compliance

Compliant RoHS 2015:

View Certificate of Conformance:

Compliant Reach 240:

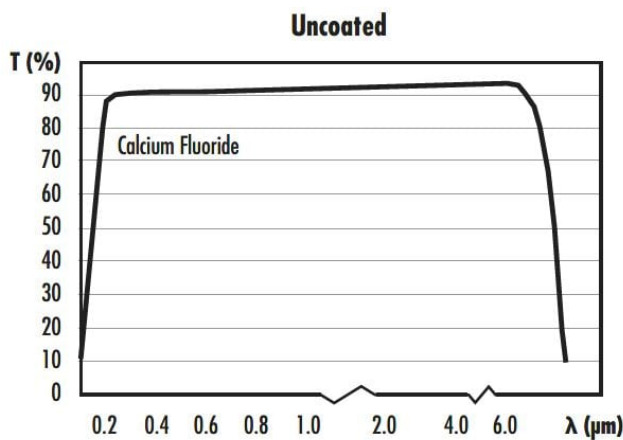
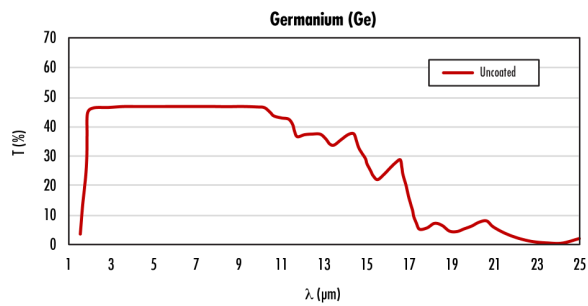
## Product Details

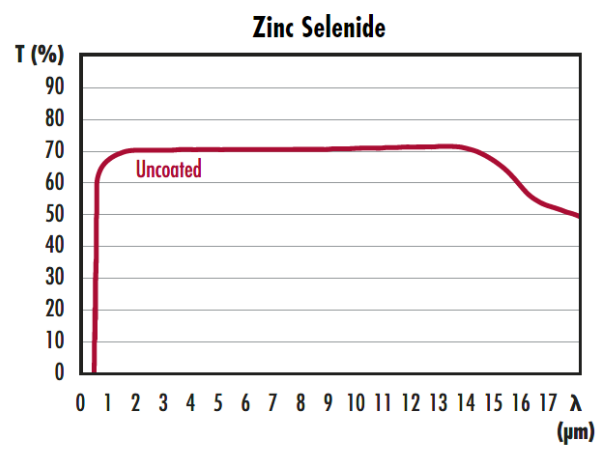
- CaF<sub>2</sub>, Ge, and ZnSe Substrates
- Ideal for Wavelength Separation
- Designed for Use with Collimated Sources
- Additional [Infrared Optics](#) Available

Due to material supply chain disruptions with germanium, there may be increased lead times and price changes on our germanium products. For more information, please contact our [customer service team](#). ISP Optics Infrared (IR) Equilateral Prisms, also referred to as dispersion prisms, feature three equal 60° angles and are used in wavelength separating applications. These prisms are available with calcium fluoride (CaF<sub>2</sub>), germanium (Ge), or zinc selenide (ZnSe) substrates. CaF<sub>2</sub> equilateral prisms offer a low refractive index and broad transmission range from 0.2 – 7µm, making them ideal for applications requiring high transmission from the UV through the IR. Ge equilateral prisms are transmissive from 2 – 14µm with a high index of 4.002 at 11µm and are used in applications where the optical path length needs to be maximized. ZnSe equilateral prisms have high, even transmission from 0.6 - 18µm and are typically integrated with CO<sub>2</sub> laser systems that feature a 632.8nm HeNe alignment laser and 10.6µm output beam.

**Note:** Special care should be taken when handling Zinc Selenide as it is a toxic material. Always wear rubber or plastic gloves to avoid risk of contamination.

## 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