

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

See More by [ISP Optics](#)



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

-

1

+

\$S\$1,080²⁵

~~\$S\$2,160.50~~

ADD TO CART

Volume Pricing	
Qty 1+	\$S\$2,160.50 \$S\$1,080.25 each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

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

Physical & Mechanical Properties

±0.25	Dimensional Tolerance (mm):
85.00	Clear Aperture (%):
25.40	Length of Hypotenuse (mm):
25.40	Length of Legs (mm):

Optical Properties

Uncoated	Coating:
Barium Fluoride (BaF ₂)	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:

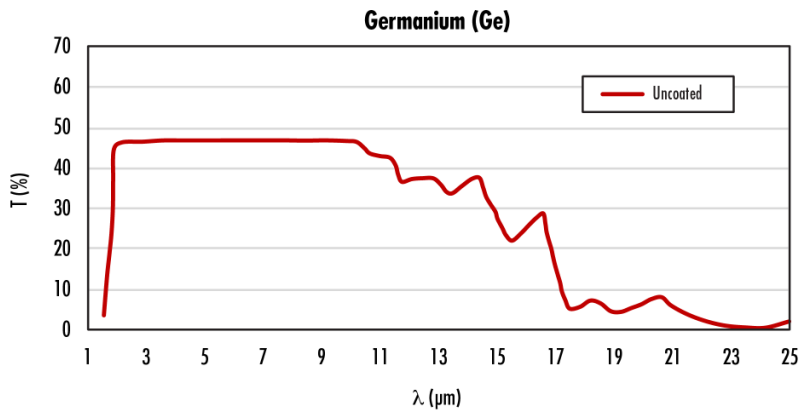
PRODUCT DETAILS

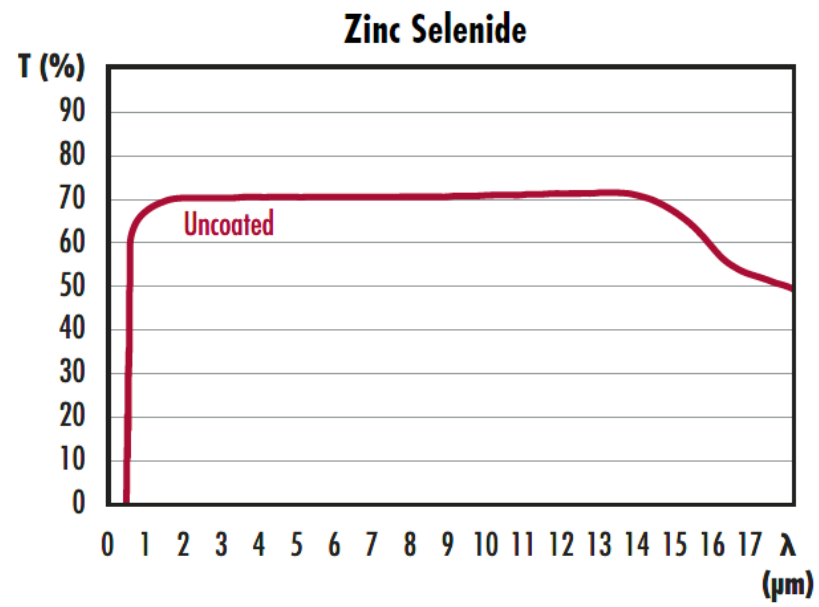
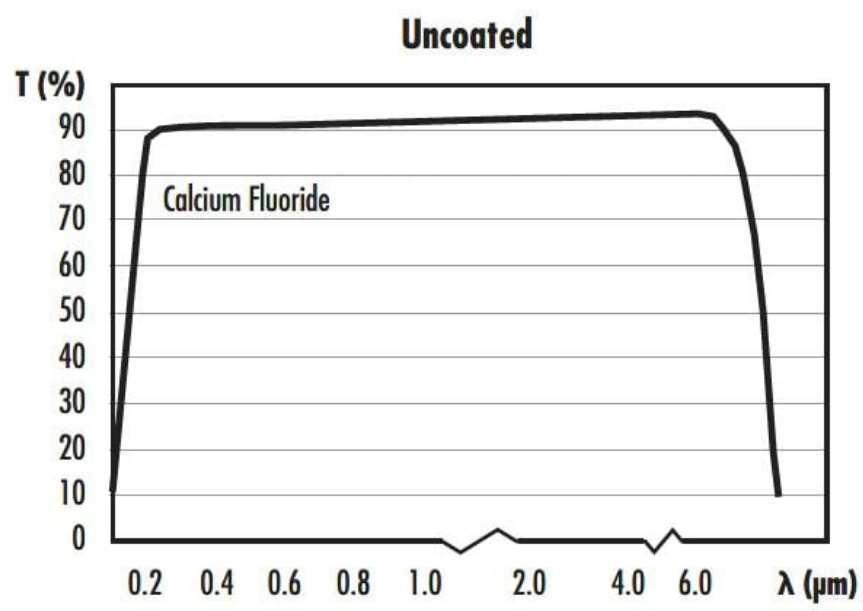
- CaF₂, Ge, and ZnSe Substrates
- Ideal for Wavelength Separation
- Designed for Use with Collimated Sources
- Additional [Infrared Optics](#) Available
- Due to material supply chain disruptions with germanium, there may be increased lead times and price changes on our germanium products. For more information, 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 (CaF₂), germanium (Ge), or zinc selenide (ZnSe) substrates. CaF₂ 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 CO₂ 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