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25.4mm, ISP Optics Germanium Equilateral Prism | GE-EP-25

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Stock #19-712 **3 In Stock**

A\$3,520⁰⁰

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Volume Pricing	
Qty 1-5	A\$3,520.00 each
Qty 6-25	A\$2,816.00 each
Qty 26-49	A\$2,640.00 each
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Product Downloads

General

Type:
 Equilateral Prism

Model Number:
 ZC-EP-25

Physical & Mechanical Properties

Dimensional Tolerance (mm):
 ±0.25

85	Clear Aperture (%):
25.40	Length of Hypotenuse (mm):
25.40	Length of Legs (mm):
Optical Properties	
Uncoated	Coating:
Germanium (Ge)	Substrate: <input type="checkbox"/>
60-40	Surface Quality:
±10	Angle Tolerance (arcmin):
2000 - 14000	Wavelength Range (nm):
2 - 14	Wavelength Range (µm):
2λ	Surface Flatness (P-V):

Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 240:

Product Details

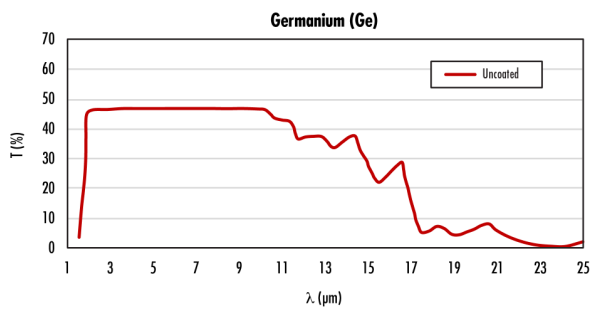
- CaF₂, Ge, and ZnSe Substrates
- Ideal for Wavelength Separation
- Designed for Use with Collimated Sources
- Additional [Infrared Optics](#) Available

• 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

