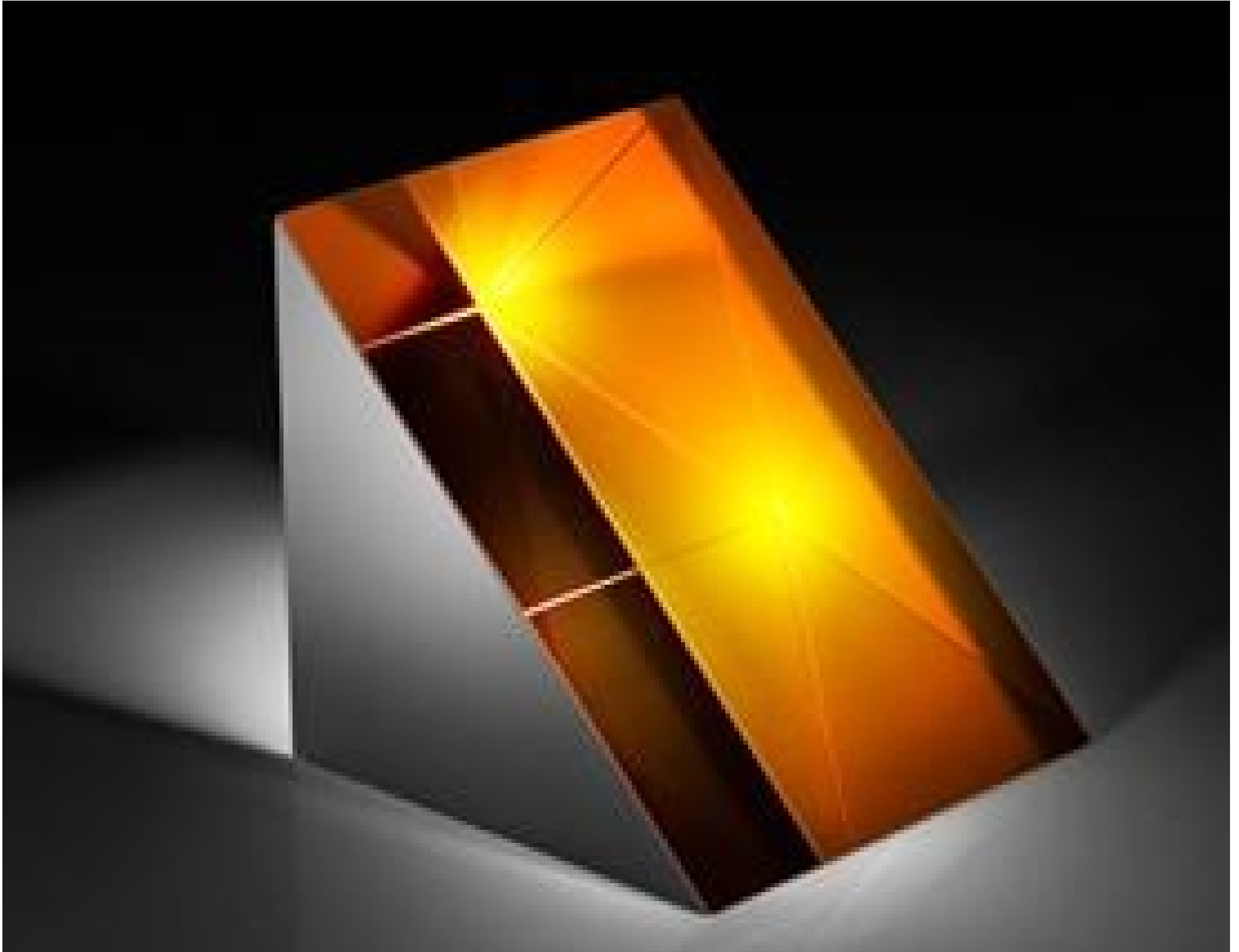


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## Germanium, 25.4mm, Uncoated, ISP Optics IR Right Angle Prism | GE-RP-25

See More by [ISP Optics](#)



Infrared (IR) Right Angle Prisms

Stock **#25-041** **8 In Stock**

A\$6,016<sup>00</sup>

**ADD TO CART**

Volume Pricing	
Qty 1-5	A\$6,016.00 each
Qty 6-25	A\$4,816.00 each
Qty 26-49	A\$4,528.00 each
Need More?	<a href="#">Request Quote</a>

### Product Downloads

#### General

**Type:**  
 Right Angle Prism

**Model Number:**  
 GE-RP-25

#### Physical & Mechanical Properties

**Dimensional Tolerance (mm):**  
 ±0.25

85.00	Clear Aperture (%):
35.90	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):
Left-Handed	Image Orientation:
90	Ray Deviation (°):
2000 - 14000	Wavelength Range (nm):
2 - 14	Wavelength Range (μm):
2λ	Surface Flatness (P-V):

## Regulatory Compliance

<a href="#">Compliant</a>	RoHS 2015:
<a href="#">View</a>	Certificate of Conformance:
<a href="#">Compliant</a>	Reach 240:

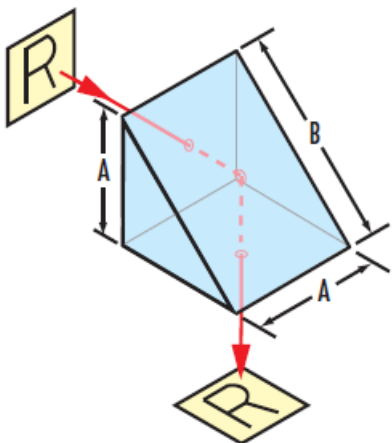
## Product Details

- CaF<sub>2</sub>, Ge, and ZnSe Substrates
- Ray Deviation of 90°
- Ideal for Use with Collimated Sources
- Additional [Infrared Optics](#) Available

ISP Optics Infrared (IR) Right Angle Prisms provide 90° or 180° redirection of laser beam or image paths depending on the input prism surface. Available with calcium fluoride (CaF<sub>2</sub>), germanium (Ge), or zinc selenide (ZnSe) substrates, these right-angle prisms are ideal for a range of IR laser and imaging applications. CaF<sub>2</sub> offer a low refractive index and broad transmission range from 0.2 – 7μm, making it useful for applications requiring high transmission from the UV through the IR. Ge is transmissive from 2 – 14μm with a high index of 4.002 at 11μm and is used in applications where the optical path length needs to be maximized. ZnSe has high, even transmission from 0.6 - 18μm and is typically integrated with CO<sub>2</sub> laser systems that feature a 632.8nm HeNe alignment laser and 10.6μm output beam. ISP Optics Infrared (IR) Right Angle Prisms can be used in combination for beam/image displacement.

**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





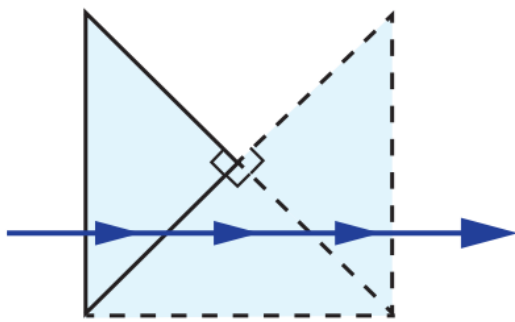
Right Angle Prism Ray Path



Right Angle Prism Ray Path



Right Angle Prism Tunnel Diagram



Right Angle Prism Tunnel Diagram

## 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

