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

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Infrared (IR) Right Angle Prisms

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

1  C\$5,264<sup>00</sup>

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Volume Pricing	
Qty 1-5	C\$5,264.00 each
Qty 6-25	C\$4,214.00 each
Qty 26-49	C\$3,962.00 each
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### Product Downloads

### General

Right Angle Prism **Type:**

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

### Physical & Mechanical Properties

**Dimensional Tolerance (mm):**

±0.25

Clear Aperture (%):

85.00

Length of Hypotenuse (mm):

35.90

Length of Legs (mm):

25.40

### Optical Properties

Coating:

Uncoated

Substrate:

Germanium (Ge)

Surface Quality:

60-40

Angle Tolerance (arcmin):

±10

Image Orientation:

Left-Handed

Ray Deviation (°):

90

Wavelength Range (nm):

2000 - 14000

Wavelength Range (µm):

2 - 14

Surface Flatness (P-V):

2λ

### Regulatory Compliance

RoHS 2015:

[Compliant](#)

Certificate of Conformance:

[View](#)

Reach 240:

[Compliant](#)

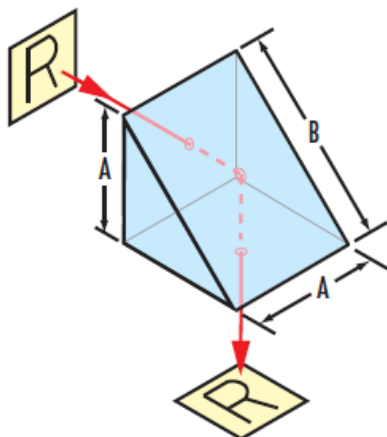
## Product Details

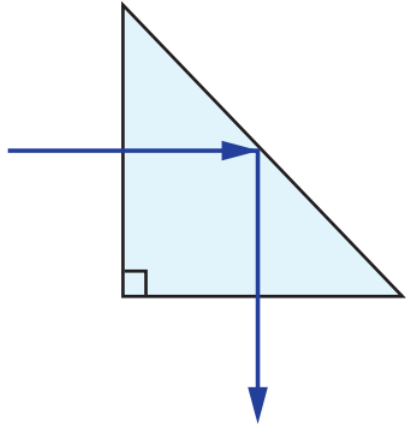
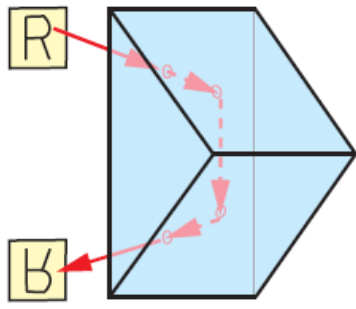
- CaF<sub>2</sub>, Ge, and ZnSe Substrates
- Ray Deviation of 90°
- Ideal for Use with Collimated Sources
- Additional [Infrared Optics](#) Available

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.

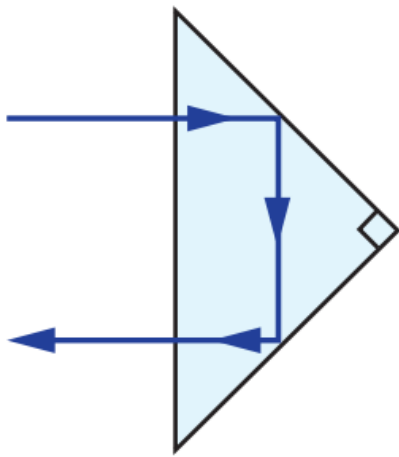
**Note:** Special care should be taken when handling Zinc Selenide as it is a toxic material. Always wear rubber or plastic gloves to avoid risk of contamination.

## Technical Information

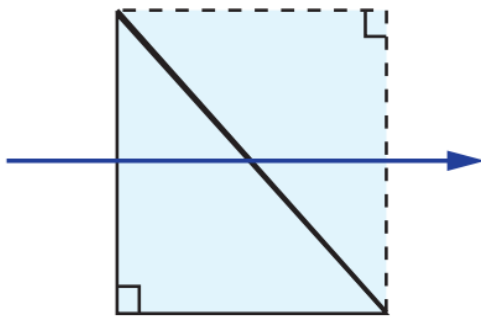




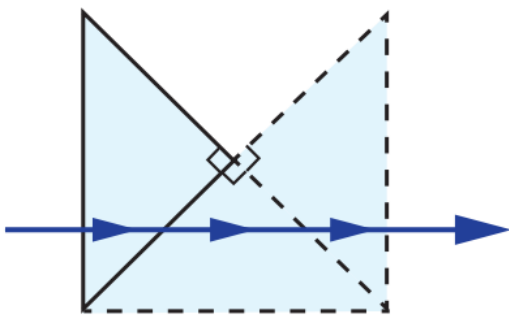
Right Angle Prism Ray Path



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

