

#### The POC Advantage:

- Prisms as small as 0.10 mm
- Proprietary technology for manufacture of high precision in high volumes
- 100% quality inspection available
- Innovative optical design to suit challenging system designs and light paths
- Fully manufactured in-house at our U.S. facility
- ITAR registered
- ISO 9001:2015 and ISO 13485:2016 registered
- Approved CE Mark
- MDD approved

#### Precision Optics Corporation

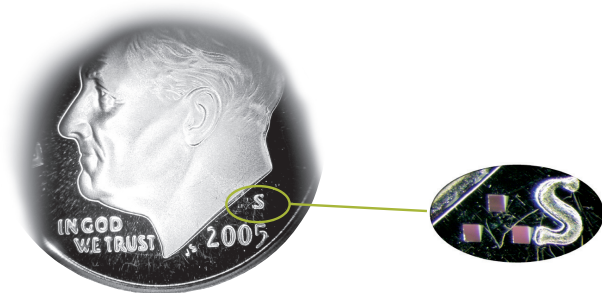
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[www.poci.com](http://www.poci.com)

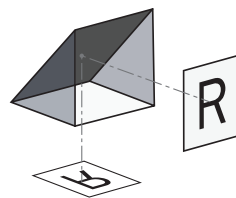
Recipient U.S. Government Small Business of the Year Award

## Micro Prisms

Manufacturing micro prisms requires special capabilities and skills. We manufacture prisms with length dimensions as small as 0.10 mm with virtually any geometry commonly used on larger sizes. POC carries select sizes of right angle, dove, and penta prisms. We welcome the challenge presented to us by your most complex and demanding custom designs. Send your specifications and/or drawings to [info@poci.com](mailto:info@poci.com), or visit our web site to order directly.



POC Coated and Uncoated 45-45-90 Right Angle Micro Prisms			
Leg Length and Width A, C (mm)	Clear Aperture	Uncoated Catalog Item Number	Coated Aluminized Hypotenuse Catalog Item Number
0.10	85%	8531-609-X	8531-609-1
0.18	85%	8531-607-X	8531-607-1
0.25	85%	8531-608-X	8531-608-1
0.3	85%	8531-606-X	8531-606-1
0.5	85%	8531-600-X	8531-600-1
0.7	85%	8531-601-X	8531-601-1
1.0	85%	8531-602-X	8531-602-1

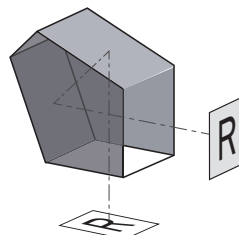
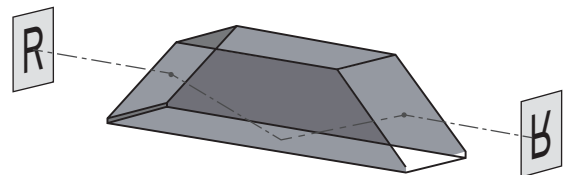


#### 45-45-90 Right Angle Prism

Right angle prisms are generally used to reflect image paths or redirect light at 90°. Because they use a single reflection, this produces an inverted image. Right angle prisms can also be used in combination for image/beam displacement.

#### Dove Prism

A dove prism is used to invert an image.



#### Penta Prism

A penta prism is a five-sided reflecting prism used to bend image paths or deviate a beam or light by 90° without inverting it as an ordinary right-angle prism or mirror would.