

- Spherical Lenses
- Cylindrical Lenses
- Lens Kits
- Achromatic Doublets
- Multi-Element
- Micro Optics
- Mirrors
- Prisms**
- Substrates & Windows
- Beamsplitters
- Polarizers
- Filter & Apertures

Penta Prisms

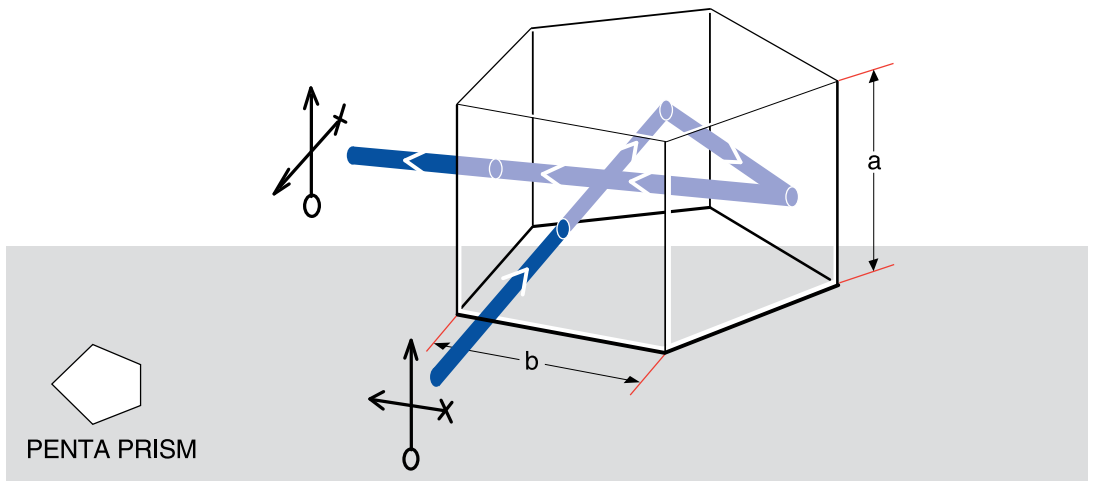
Penta prisms deviate an input beam by 270 degree (-90 degree) independently of the angle of incidence on the first surface. They are therefore useful as precise right angle mirrors which are insensitive to alignment. These penta prisms find many metrological applications.

These penta prisms are Anti-Reflection coated on the entrance and exit faces as well as being coated with protected aluminum and black paint on the internal reflection faces.



Specifications & Tolerances

Dimensions: $\pm 0.2\text{mm}$	Angular deviation: 3arcmin
Surface flatness: $\lambda/4 @ 633\text{nm}$	Bevel: 0.2 to 0.3mm typical
Surface quality: 40-20	Material: BK7, grade A
Coatings: Broadband AR (425-675nm) on input/output faces protected aluminum and black paint on reflective faces	



Penta Prisms

Sides, a=b (mm)	Price	PART NUMBER
10.0		055-0550
15.0		055-0560
20.0		055-0570
25.0		055-0580

ORDERING
&
TECHNICAL SUPPORT
(949) 851-5881
FAX (949) 851-5058
E-MAIL
sales@optosigma.com
WEB
www.optosigma.com

