

# Penta Prisms

## Features

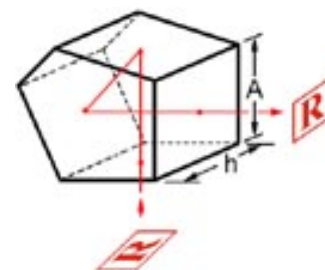
- High Precision Dimension
- High Precision Angle Control

## Applications

- Projection Optics System
- Imaging Optics System
- Optical Display System
- Optical Measurement System

## Specifications

|                         |  |
|-------------------------|--|
| Material                | BK7  |
| Dimension tolerance     | ±0.2mm   |
| 90° Deviation tolerance | See the table  |
| Surface quality         | 60-40 S/D  |
| Surface flatness        | $\lambda/2$ (standard), $\lambda/4$ (high precision)@632.8nm |
| Clear aperture          | >85%   |
| Bevel                   | Protective bevel   |
| Reflectivity            | R>95%per face @400-700nm                                     |
| Coating                 | Uncoated on entrance & exit surface                          |



Prism

## Standard Products

| Size(mm)    | 1 Min. Deviation | 30 Sec. Deviation | 10 Sec. Deviation |
|-------------|------------------|-------------------|-------------------|
| A x h       | Part No.         | Part No.          | Part No.          |
| 7.0 x 6.0   | HPTP0101         | HPTP0201          | HPTP0301          |
| 10.0 x 10.0 | HPTP0102         | HPTP0202          | HPTP0302          |
| 15.0 x 15.0 | HPTP0103         | HPTP0203          | HPTP0303          |
| 20.0 x 20.0 | HPTP0104         | HPTP0204          | HPTP0304          |