

Prisms, Mirrors and GRIN Lenses

Description

Advanced(AD) Photonics can provide low cost crystal quartz products with high quality, based on manufacturing facility in China. We can make quartz waveplates, optical isolators and quartz depolarizers.

Prisms Specifications

- Materials: BK7A or UV Fused Silica
- Surface quality: 10-5, 20-10 scratch and dig
- Wavefront distortion: $\lambda / 8$
- Dimensions Tolerance: $\pm 0.2\text{mm}$
- Angular Deviation: 3 arcmin
- Bevel: 0.3mm(typical) x 45°

Prisms

- ✓ Right Angle and Knife Edge Prisms
- ✓ Dove Prisms
- ✓ Rhombic Prisms
- ✓ Penta Prisms
- ✓ Retro-reflectors/Corner Cubes
- ✓ Porro Prisms
- ✓ Equilateral Prisms
- ✓ Precision Wedge Prisms

Mirrors

- Material: UV Fused Silica or BK7A
- Surface quality: 10-5 scratch and dig
- Surface Flatness: $\lambda / 10$
- Dimensions Tolerance: $\pm 0.2\text{mm}$
- Thickness: $\pm 0.1\text{mm}$
- Parallelism: <3 arcmin
- Clear Aperture: >90%
- Durability: To MIL-C-675

GRIN Lenses

- ✓ Available in Dia. from 0.25 to 2mm
- ✓ Diameter Tolerance: $\pm 0.02\text{mm}$
- ✓ Parallelism: 10 arcmin
- ✓ Clear Aperture: 70% of diameter
- ✓ Surface Quality: 20-10
- ✓ Material: Gradient index optical glass

AD Photonics

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Product Information

- Low price and high quality
- Delivery time: 5 weeks
- We accept small and large quantity order