

Prism

Mirror

Window

Beamsplitter

Waveplate

IR Optics

Lens

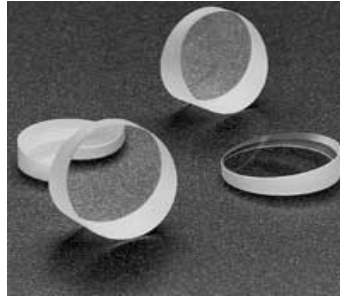
Filter

Micro Optics

Plastic Optics

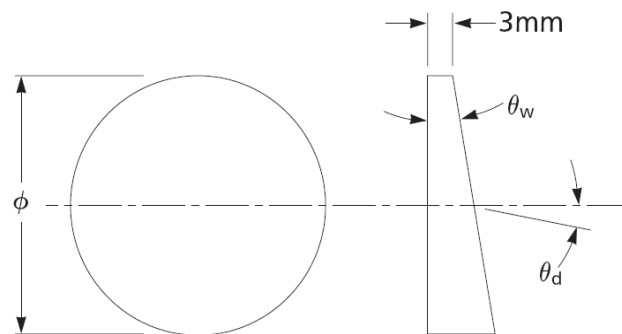
## Wedge Prism

### Introductions



Wedge prism is an optical element with plane-inclined surfaces, usually the faces are inclined toward one another at a very small angle. It diverts light toward its thicker portion. Wedge prisms can be used as isolating components. Wedges may also be used to produce a small deviation which doesn't allow return to source.

### Beam Path



Items	Specifications
Material	BK7 Grade A or equivalent Optical Glass
Dimension Tolerance	+0.0/-0.2 mm
Thick Edge of Wedge	3.0 mm
Clear Aperture	> 80%
Wedge angle	± 30 arc seconds
Flatness	λ/4 at 632.8 nm
Surface Quality	scratch and dig 60-40
Bevel	0.5 (0/-0.3) mm

#### Notes:

1. Material, besides BK7, UV Grade Fused Silica and any other materials are available.
2. Surface Quality could reach 40-20 or 20-10
3. Wedge angle such as 1', 30", 10" is available.
4. Please show us the size and the coating specification.

Part NO.	Dia. (mm)	θd (mm)	θw (mm)	Δ
PWE0101	25.0	1	1° 56'	1.75
PWE0102	25.0	2	3° 52'	3.50
PWE0103	25.0	4	7° 40'	7.00
PWE0104	25.0	6	11° 21'	10.50
PWE0105	25.0	8	14° 51'	14.00

Wedge Prism

Optical Components

PWE 01