

Prism

Mirror

Window

Beamsplitter

Waveplate

IR Optics

Lens

Filter

Micro Optics

Plastic Optics

Rhomboid Prism

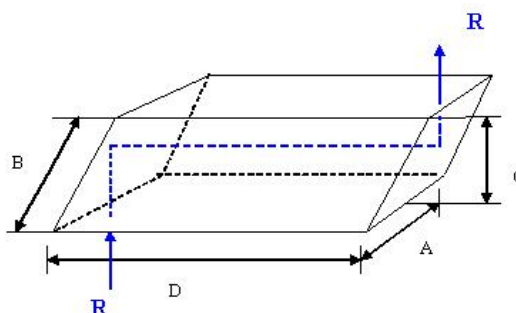
Introductions



Rhomboid prisms are used to displace a laser beam without changing its direction. In imaging applications, they will displace the optical centerline without inverting the image. The lateral displacement is equal to the length of the prism ("D" dimension). High tolerance angles

keep the output beam parallel to the input beam to within 30 arc seconds making our rhomboid prisms ideal for demanding displacement applications.

Beam Path



Items	Specifications
Material	BK7 Grade A or equivalent Optical Glass
Dimension Tolerance	+0.0/-0.2 mm
Clear Aperture	> 90%
Flatness	$\lambda/4$ at 632.8 nm
Surface Quality	scratch and dig 60-40
Angle Tolerance	10 arc second
Bevel	0.5 (0/-0.3) mm
Coating	R<0.2%@1550nm on output and input surface or Upon Request

Notes:

1. Material, besides BK7, SF11 and any other materials are available.
2. Surface Quality could reach 40-20 or 20-10
3. Wedge angle such as 1', 30", 5" is available.
4. Please show us the size and the coating specification.

Part NO.	A	B	C	D
RPP0101	10.0	10.0	7.1	14.1
RPP0102	12.5	12.5	8.8	17.5
RPP0103	15.0	15.0	10.5	21.2
RPP0104	20.0	20.0	14.2	28.3
RPP0105	25.0	25.0	17.7	35.4

Rhomboid Prism

Optical Components

RPP 01