

Dove Prisms

Product Description:

A dove prism shaped from a truncated right-angle prism is a type of reflective prism used to invert or rotator an image. A beam enters one of the sloped surfaces, undergoes total internal reflection from the inside of the longest surface and exits through the opposite sloped surface. As the prism is rotated, the image passing through will rotate at twice the angular rate of the prism.

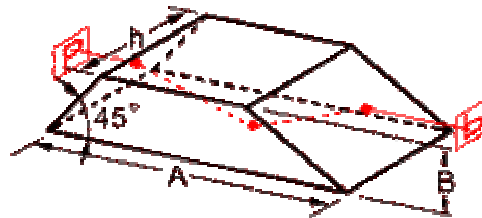
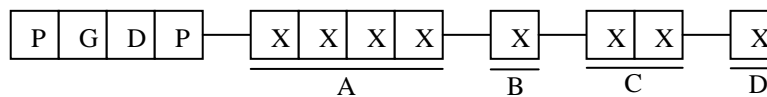


Figure 1: A schematic drawing of a dove prism

Specifications:

Material	BK7
Dimension Tolerance (B, h)	+0.0, -0.2mm
Dimension Tolerance (A)	± 0.2mm
Clear Aperture	> 85%
Surface Quality	20~10
Flatness	$\lambda / 4$ @ 632.8nm
Angular Tolerance	<1 arc minute
Coating	Specified by customer

Ordering Information:



A	Wavelength	630=0630nm
		1310=1310nm
		XXXX=Your application wavelength
B	Material	1=BK7
		0=Special

C	Size	01=21.1X5.0X5.0
		Check standard size table for standard size
		00=Custom size
D	Coating	1=yes
		0=no

Standard Size Table (Material: BK7 Grade A Optical Glass)

Dimension P/N	A (mm)	B (mm)	h (mm)
01	21.1	5.0	5.0
02	42.3	10.0	10.0
03	63.4	15.0	15.0
04	80.0	20.0	20.0