

Penta Prisms

Product Description:

A penta prism is a five-sided reflecting prism for deflecting a light beam by 90° without inverting or reversing an image. The standard penta prism reflecting surfaces are coated with a metallic or dielectric coating due to the incident angle less than the critical angle for total internal reflection.

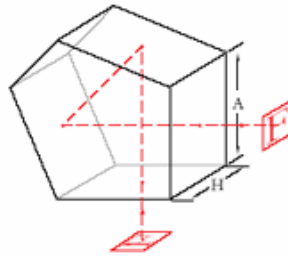
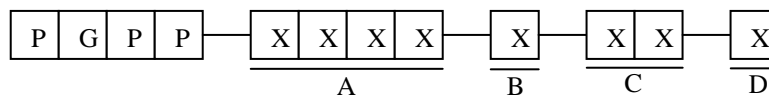


Figure 1: A schematic drawing of a penta prism

Specifications:

Material	BK7
Angular Tolerance	< 1 arc minutes
Flatness	$\lambda / 4 @ 632.8\text{nm}$
Clear Aperture	> 85%
Surface Quality	40~20
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=7.0X6.0
		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)	H (mm)
01	7.0	6.0
02	10.0	10.0
03	15.0	15.0
04	20.0	20.0