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Corner Cube Retroreflector

Product Description:

Corner Cube Retro-Reflectors have three mutually perpendicular surfaces and a hypotenuse face. A beam enters through the hypotenuse surface reflected by each of the three surfaces in turn, and exits through the hypotenuse surface parallel to the entering beam. It retro-reflects over a wide range of incident angles, and it is very useful in applications where precise alignment is difficult to achieve, or where vibration is present.

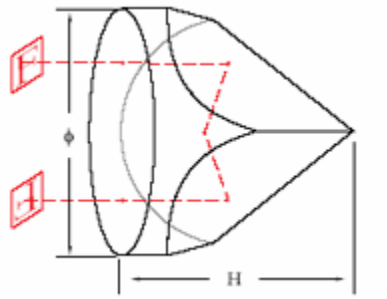

Figure 1: A schematic drawing of a corner cube retroreflector

Specifications:

Material	BK7
Dimension Tolerance (Φ)	+0.0, -0.2mm
Dimension Tolerance (H)	±0.3mm
Clear Aperture	> 85%
Surface Quality	60~40
Flatness	λ /4 @ 632.8nm
Beam Deviation	<180±5 arc second
Coating	Specified by customer

Ordering Information:

P	C	C	R	X	X	X	X	X	X	X	X	X
				A				B		C		D

A	**Wavelength**	**630=0630nm**
		1310=1310nm
		XXXX=Your application wavelength

B	**Material**	**1=BK7**
		0=Special
C	**Size**	**01=15.0X11.3**
		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	Φ (mm)	H (mm)
01	15.0	11.3
02	25.4	19.0
03	38.0	28.5
04	50.8	37.5