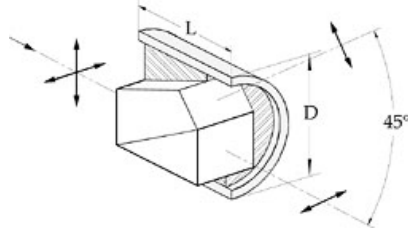


## Glan Thompson Polarization Beamsplitter Cube



These Glan Thompson polarizers have been arranged to permit their output of the s-polarized beam at 45 ° from the straight through p-polarized beam. They provide high polarization purity and high transmission in the two emerging beams. These are useful if it is required to utilize both linear polarization states . They are mounted in a rectangular metal cell and surrounded with an absorbing compound.

### Specifications:

Material: Calcite(Grade A)

Wavelength Range: 350-2300nm

Extinction Ratio:  $<5 \times 10^{-5}$

Parallelism:  $<1$  arc Min.

Surface Quality: 20-10

Beam Deviation:  $<3$  arc minutes

Wavefront Distortion:  $\lambda/4@633\text{nm}$

Damage Threshold:  $>500\text{MW}/\text{cm}^2(\text{CW})$

Coating: Single layer  $\text{MgF}_2$

Mount: Black Anodized Aluminium

P/N	Extinction Ratio	Angular Field(°)	W	H	L	C.A.	O.D.
71401	$<5 \times 10^{-5}$	14-16	-	-	33	6.0X6.0	50.8
71402	$<5 \times 10^{-5}$	14-16	-	-	33	8.0X6.0	50.8
71403	$<5 \times 10^{-5}$	14-16	-	-	33	10.0X10.0	50.8
71404	$<5 \times 10^{-5}$	14-16	-	-	33	12.0X12.0	50.8
71405	$<5 \times 10^{-5}$	14-16	-	-	38	15.0X15.0	50.8
71406	$<5 \times 10^{-5}$	14-16	12	16	16	6	-
71407	$<5 \times 10^{-5}$	14-16	16	20	22	8	-
71408	$<5 \times 10^{-5}$	14-16	20	25	26	10	-
71409	$<5 \times 10^{-5}$	14-16	20	30	34	12	-
71410	$<5 \times 10^{-5}$	14-16	25	35	40	15	-
71411	$<5 \times 10^{-5}$	14-16	12	16	16	6	-
71412	$<5 \times 10^{-5}$	14-16	16	20	22	8	-
71413	$<5 \times 10^{-5}$	14-16	20	25	26	10	-
71414	$<5 \times 10^{-5}$	14-16	20	30	34	12	-
71415	$<5 \times 10^{-5}$	14-16	25	35	40	15	-

●Demension unit:mm

●Other sizes and coatings are available upon request.