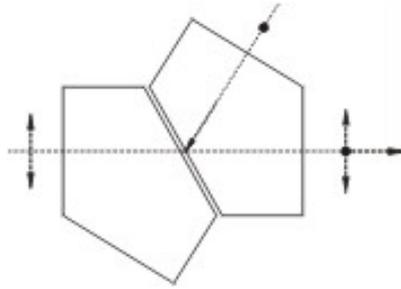


Broadband Polarization Beam Combiner



The Polarization Beam Combiner is made of two pcs YVO4 Prism or Calcite Prism. The Calcite Polarization combiner can be with 45° or 90° of two polarization Beam Input. Please refer to Glan Thompson Beamsplitter Cube, The Glan Thomposn Beamsplitter made of calcite can also work as polarization Beam combiner. But since it is glue cemented, the damage threshold is lower. While we specially design the air spaced Polarization Beam combiner, which is made of YVO4. The Angle between two input polarization beam is 100.6 deg. All the input & output surfaces are optical polished and coated.

Specifications:

Material: YVO4

Wavelength Range: 500-5000nm

Surface quality: 40-20

Beam Deviation: <3 arc minutes

Wavefornt Distortion: $\lambda/4@633nm$

Damage Threshold: >500MW/cm²(CW)

Coating: Single layer MgF₂

Mount: Black Anodized Aluminium

P/N	Wavelength(nm)	C.A.	W	H	L
71701	500-5000	6	15	15	15
71702	500-5000	15	15	20	18
71703	500-5000	10	20	25	22
71704	500-5000	12	20	30	25
71705	500-5000	15	25	35	30

- Demension unit:mm
- Other sizes and coatings are available upon request.