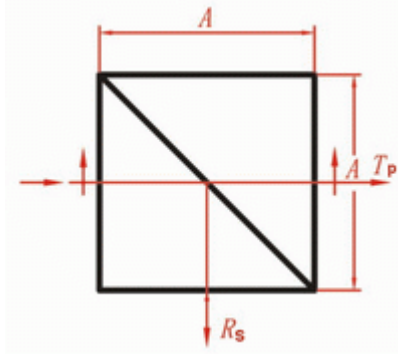


Narrow Band Polarization Beamsplitter Cube



Polarization Beamsplitter Cubes are constructed by cementing two precision right angle prisms together with the appropriate interference coating on the hypotenuse surface. The P-polarization of the input beam is transmitted, and S-polarization of the input beam is reflected.

Specification:

Material.....BK7 grade A optical glass

Dimension Tolerance..... $\pm 0.2\text{mm}$

Surface Quality.....60-40

Beam deviation..... < 3 arc minutes

Extinction Ratio..... $>100:1$

Bevel.....Protective

Coatings:

①Polarization beamsplitter coating on hypotenuse, $T_p > 95\%$, $T_s < 1\%$, $R_s > 99\%$, $R_p < 5\%$ @ λ , AOI 45°

②AR coating on all input and output faces, $R < 0.25\%$ @ λ , AOI 0°

P/N	Size	λ
70801	10×10×10	532nm
70802	12.7×12.7×12.7	532nm
70803	15×15×15	532nm
70804	20×20×20	532nm
70805	25.4×25.4×25.4	532nm
70806	10×10×10	632.8nm
70807	12.7×12.7×12.7	632.8nm
70808	15×15×15	632.8nm
70809	20×20×20	632.8nm
70810	25.4×25.4×25.4	632.8nm

●Dimension unit:mm

●Other sizes and coatings are available upon request.