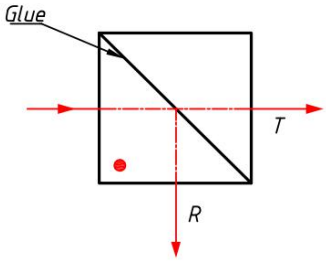
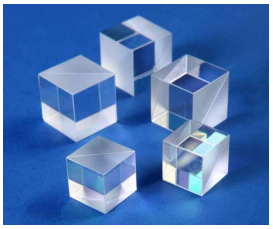
Beamsplitter Cube





Beamsplitter Cube are constructed by cementing two precision right angle prism together with appropriate interference coating on the hypotenuse surface. The absorption loss to the coating is minimal transmission and reflection approach 50% (average) though output is partially polarized.

Attribute	Specification
Material	N-BK7 or H-K9L grade A optical glass
Wavelength(Narrowband)	532, 633, 650,808,850, 980, 1064, 1310, 1550nm
Wavelength(Broadband)	450-650nm, 650-850nm, 900-1200nm, 1250-1550nm, 1500-1610nm
Standard Size(mm)	5x5x5, 10x10x10,12.7x12.7x12.7, 20x20x20,25.4x25.4x25.4
Dimension Tolerance(mm)	±0.2
Flatness(per 25mm@632.8nm)	λ/4
Surface Quality	60/40
T/R	50/50±5%, for random polarization ,T=(Ts+Tp)/2, R=(Rs+Rp)/2
Beam Deviation	<3 arc minutes
Coating	Hypotenuse Face : Partial Reflection Coating All Input and Output Faces: AR Coating