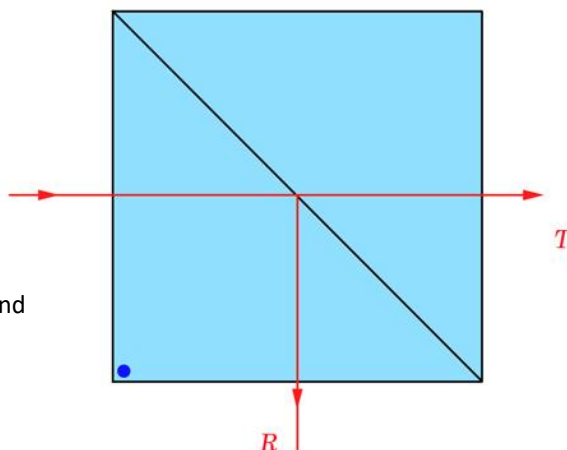


Broadband Cube Beamsplitter

Specifications

- **Material** : H-K9L
- **Surface Figure** : $\lambda/10@633\text{nm}$
- **Surface Quality**: 60-40 scratch and dig
- **Transmitted Beam Deviation**: $\pm 5'$
- **Reflected Beam Angle**: $90^\circ \pm 5'$
- **Size Tolerance**: $\pm 0.2\text{mm}$
- **Coating**: Dielectric coating on hypotenuse to split beam and broadband AR coating on other surfaces beam passes
- **Split ratio**: R/T $\pm 10\%$
- **Damage Threshold**: $>500\text{mJ/cm}^2$, 20ns, 20Hz, @1064nm



Absorption loss to the interference coating is minimal by applying dielectric coating, but partially polarizing is induced. If polarization sensitive is critical, please use our broadband non-polarizing cube Beamsplitter or polarizing cube Beamsplitter.

Size (mm)	Split ratio (R/T)	400-700nm	700-1100nm	1100 -1600nm
		Part No	Part No	Part No
5.0	30R/70T	BSP6-50-30VIS	BSP6-50-30NIR	BSP6-50-30SWIR
5.0	50R/50T	BSP6-50-50VIS	BSP6-50-50NIR	BSP6-50-50SWIR
5.0	70R/30T	BSP6-50-70VIS	BSP6-50-70NIR	BSP6-50-70SWIR
10.0	30R/70T	BSP6-100-30VIS	BSP6-100-30NIR	BSP6-100-30SWIR
10.0	50R/50T	BSP6-100-50VIS	BSP6-100-50NIR	BSP6-100-50SWIR
10.0	70R/30T	BSP6-100-70VIS	BSP6-100-70NIR	BSP6-100-70SWIR
12.5	30R/70T	BSP6-125-30VIS	BSP6-125-30NIR	BSP6-125-30SWIR
12.5	30R/50T	BSP6-125-50VIS	BSP6-125-50NIR	BSP6-125-50SWIR
12.5	70R/30T	BSP6-125-70VIS	BSP6-125-70NIR	BSP6-125-70SWIR
15.0	30R/70T	BSP6-150-30VIS	BSP6-150-30NIR	BSP6-150-30SWIR
15.0	50R/50T	BSP6-150-50VIS	BSP6-150-50NIR	BSP6-150-50SWIR
15.0	70R/30T	BSP6-150-70VIS	BSP6-150-70NIR	BSP6-150-70SWIR
20.0	30R/70T	BSP6-200-30VIS	BSP6-200-30NIR	BSP6-200-30SWIR
20.0	50R/50T	BSP6-200-50VIS	BSP6-200-50NIR	BSP6-200-50SWIR
20.0	70R/30T	BSP6-200-70VIS	BSP6-200-70NIR	BSP6-200-70SWIR
25.0	30R/70T	BSP6-250-30VIS	BSP6-250-30NIR	BSP6-250-30SWIR
25.0	50R/50T	BSP6-250-50VIS	BSP6-250-50NIR	BSP6-250-50SWIR
25.0	70R/30T	BSP6-250-70VIS	BSP6-250-70NIR	BSP6-250-70SWIR
50.0	30R/70T	BSP6-500-30VIS	BSP6-500-30NIR	BSP6-500-30SWIR
50.0	50R/50T	BSP6-500-50VIS	BSP6-500-50NIR	BSP6-500-50SWIR
50.0	70R/30T	BSP6-500-70VIS	BSP6-500-70NIR	BSP6-500-70SWIR

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