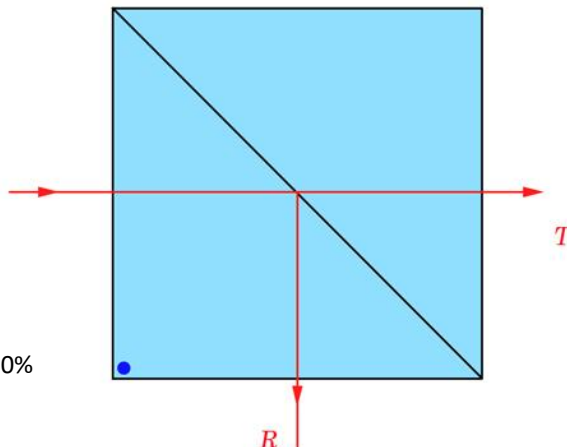


Broadband Non-Polarizing Cube Beamsplitter

Specifications

- **Material:** H-K9L
- **Surface Figure:** $\lambda/10@633\text{nm}$
- **Surface Quality:** 60-40 scratch and dig
- **Thickness Tolerance:** $\pm 0.2\text{mm}$
- **Transmitted Beam Deviation:** $\pm 5'$
- **Reflected Beam Angle:** $90^\circ \pm 5'$
- **Split ratio:** $R/T \pm 10\%$
- **Low Polarization Dependence:** $|T_s - T_p| < 10\%$; $|R_s - R_p| < 10\%$
- **Protective beveling**



Broadband Non-Polarizing Cube Beamsplitters are made up of a pair of high precision right angle prisms cemented together by a metallic dielectric coating on one of the prisms' hypotenuse. Because of the metallic dielectric hybrid coating's low polarization dependence, the transmission and reflection of S- and P-polarization states can be within 10% of each other.

These beamsplitters are spectrally flat across their specified wavelength ranges, which reduces the effects of changes in angle of incidence or converging/diverging beams. Metallic dielectric hybrid coating has $< 10\%$ absorption, so don't use it in high power laser.

size (mm)	Split Ratio (R/T)	400-700nm	700-1100nm	1100 -1600nm
		Part No	Part No	Part No
5	50R/50T	BSP5-50-50VIS	BSP5-50-50NIR	BSP5-50-50SWIR
10	50R/50T	BSP5-100-50VIS	BSP5-100-50NIR	BSP5-100-50SWIR
12.5	50R/50T	BSP5-125-50VIS	BSP5-125-50NIR	BSP5-125-50SWIR
15	50R/50T	BSP5-150-50VIS	BSP5-150-50NIR	BSP5-150-50SWIR
20	50R/50T	BSP5-200-50VIS	BSP5-200-50NIR	BSP5-200-50SWIR
25.4	10R/90T	BSP5-254-10VIS	BSP5-254-10NIR	BSP5-254-10SWIR
25.4	30R/70T	BSP5-254-30VIS	BSP5-254-30NIR	BSP5-254-30SWIR
25.4	50R/50T	BSP5-254-50VIS	BSP5-254-50NIR	BSP5-254-50SWIR
25.4	70R/30T	BSP5-254-70VIS	BSP5-254-70NIR	BSP5-254-70SWIR
25.4	90R/10T	BSP5-254-90VIS	BSP5-254-90NIR	BSP5-254-90SWIR
50	50R/50T	BSP5-500-50VIS	BSP5-500-50NIR	BSP5-500-50SWIR

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