

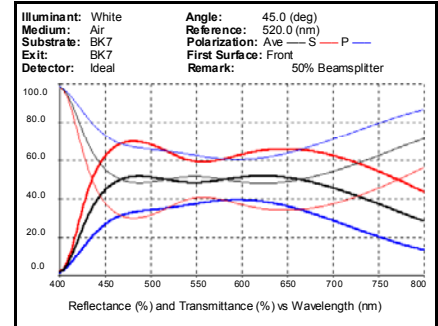
BEAMSPLITTERS

Infinite Optics Beamsplitters are well suited for high efficiency energy splitting applications such as camera sighting systems. Where nearly all incidental energy is either transmitted or reflected, with a minimum of absorption loss. **Infinite Optics** beamsplitters have low absorption as well as relatively flat spectral response across the designed wavelength. **Infinite Optics** beamsplitters are extremely stable when exposed to heat, humidity, thermal shock, aging, handling and abrasion. **Infinite Optics** beamsplitters are AR coated R<1% from 450nm to 650nm on the back surface and meet the durability requirements of MIL-C-675A.

50/50 BEAMSPLITTER Spectral Characteristics

REFLECTANCE: 50% average (+/- 5%) from 450nm to 650nm

TRANSMITTANCE: 50% average (+/-5%) from 450nm to 650nm.



Also Available upon request

30/70 Beamsplitters

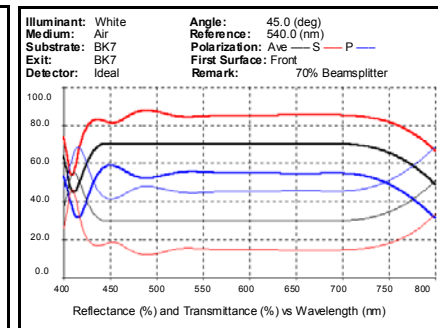
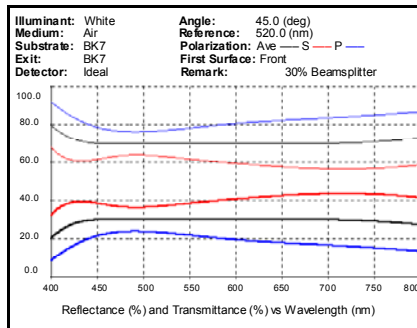
R=30% average (+/- 5%) from 450nm to 650nm

T=70% average (+/- 5%) from 450nm to 650nm

70/30 Beamsplitters

R=70% average (+/- 5%) from 450nm to 650nm

T=30% average (+/- 5%) from 450nm to 650nm



NONPOLARIZING BEAMSPLITTERS

Infinite Optics Nonpolarizing Plate Beamsplitters for lasers are high-damage-threshold at 30%, 50% and 70% transmission at 633nm, 670nm, 780nm and 830nm, 980nm, 1310nm, 1525-1565nm C-Band and 1565-1605nm L-Band.

Infinite Optics nonpolarizing beamsplitters also have a high efficiency broadband anti-reflection coating.

- specifically designed to maintain the reflected and transmitted beam where the incident laser radiation polarization characteristics are applied.
- are less sensitive to polarization.
- negligible absorption from dielectric coatings.
- anti-reflection coating on second surface.
- are smaller and lighter than cube beamsplitters.
- are particularly useful with randomly polarized lasers.
- are specifically designed for applications in which polarization effects must be at a minimum.
- ensures stable performance regardless of the sources polarization state.
- are optimized for high performance at specific wavelengths.
- complete Dielectric construction provides negligible absorption.

