BeamSplitters

Overview

Beam Splitter Filters

Beamsplitter

Key Features

Split the transmittance and reflectance ratio of light.

50%/50% or other ratio available.

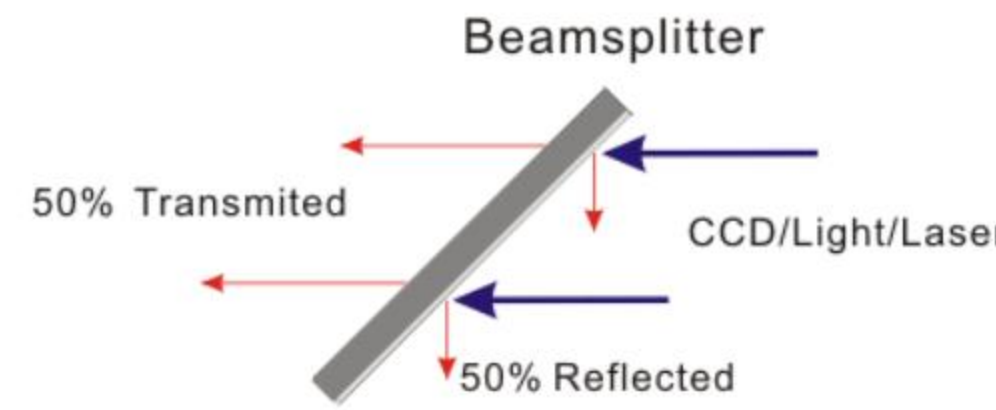
Applications

Automatic Optical Inspection Equipment(AOI Equipment)

Optical Equipments.

Medical Equipments.

Laser Systems.



Specifications

ITEM NO: YL-BS-50/50

Spectral Characteristics

Tave=50+-5% @ 420-700nm AOI=45°

Physical Characteristics

Thickness

Glass: 0.7, 1.1, 3mm

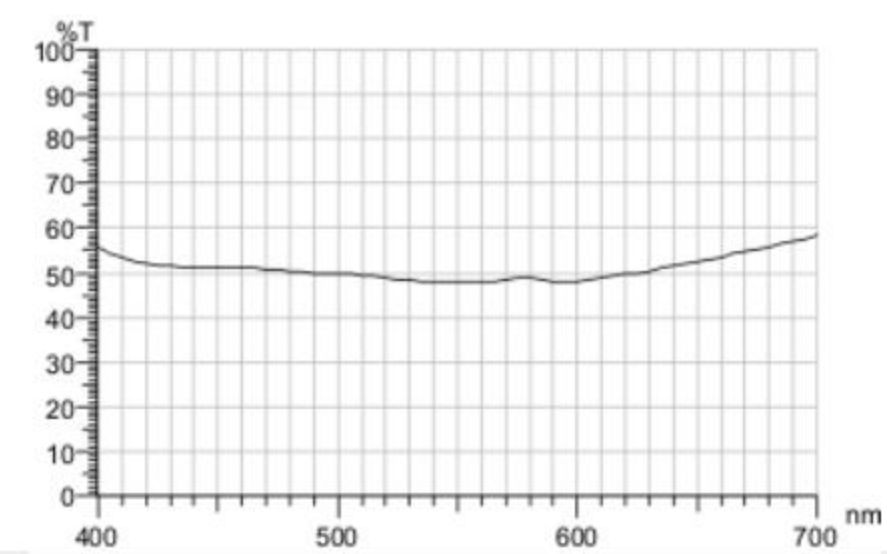
Dimension

Square: 8*8 ~ 160*160mm

Round: 8 ~ 150mm

Resistant Temperature

150 Celsius



ITEM NO: YL-BS-50/50(AR)

Spectral Characteristics

Tave=50+-5% @ 420-700nm AOI=45°

Side2 Multi-Layer AR Coating

Physical Characteristics

Thickness

Glass: 1.1mm

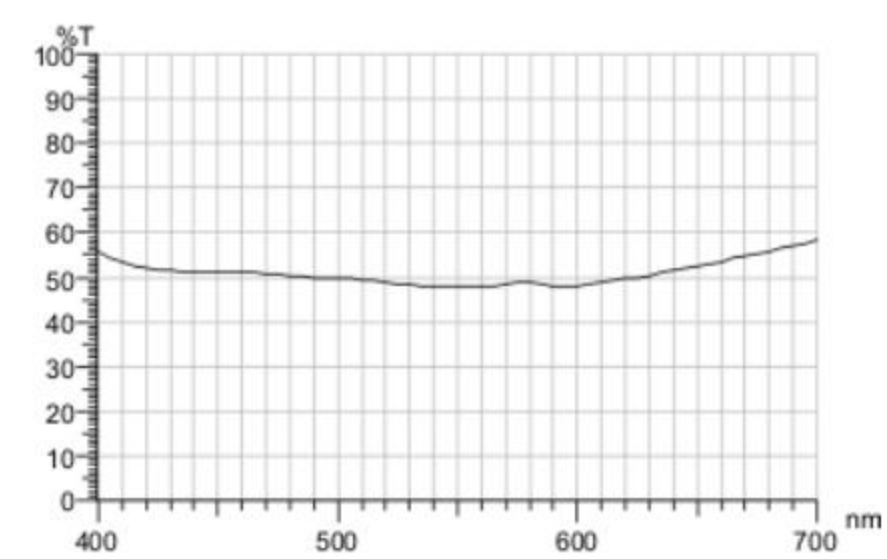
Dimension

Square: 8*8 ~ 160*160mm

Round: 8 ~ 150mm

Resistant Temperature

150 Celsius



ITEM NO: YL-BS-70T/30R

Spectral Characteristics

Tave=70+-5% @ 420-700nm
AOI=45°

Physical Characteristics

Thickness

Glass: 1.1mm

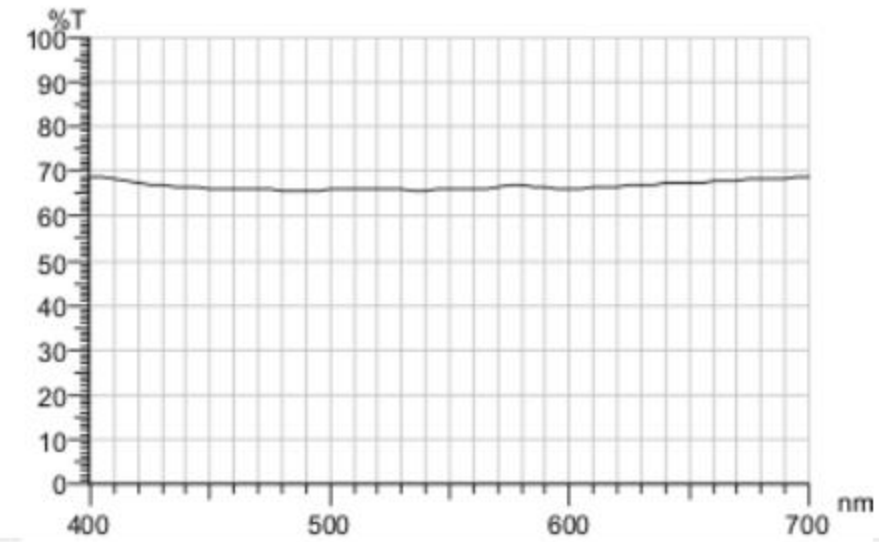
Dimension

Square: 8*8 ~ 220*220mm

Round: 8 ~ 210mm

Resistant Temperature

150 Celsius



ITEM NO: YL-BS-30T/70R

Spectral Characteristics

Tave=30+-5% @ 420-700nm
aoi=45°

Physical Characteristics

Thickness

Glass: 1.1mm

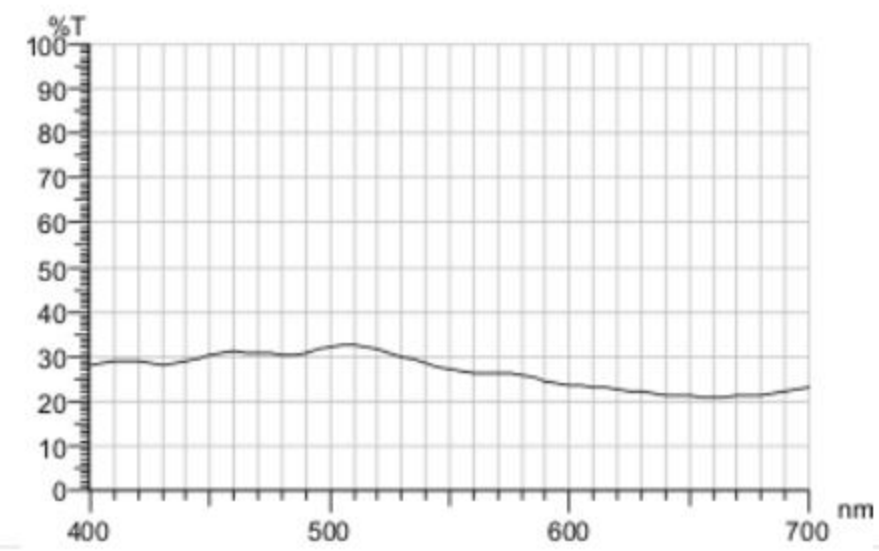
Dimension

Square: 8*8 ~ 220*220mm

Round: 8 ~ 210mm

Resistant Temperature

150 Celsius



Information and Notes

- 1. BeamSplitters side1 with 10~18 thin film layers which vacuum-deposited on substrate.
- 2. Option: Side2 with multi-layer Anti-reflection coating to reduce reflection from 4% to 0.5% for less reflect of image or light.
- 3. Coating by PVD-EBGE (Physical Vapor Deposition-Electron Beam Gun Evaporation) .
- 4. The transmittance curves are measurements at 45°of incidence angle.
- 5. The transmittance curves are based on actual measurements and may be different with manufacturing lots.