**Product Information: BEAM SPLITTERS - COMMERCIAL GRADE** *08/11*

# GENERAL DESCRIPTION

*A Beam Splitter, often called a half-mirror, is an optical window with a semi-transparent coating which divides a beam into two or more separate beams.*

Abrisa Technologies #201 & #202 Commercial Beam Splitters are constructed of metal/dielectric layers on one surface to yield the transmission/reflection characteristic. The second surface is anti-reflection coated to reduce ghost images. They are specifically designed to be color neutral through the visible spectrum.

Metal/dielectric Beam Splitters have specific advantages over all dielectric Beam Splitters. They have superior flatness and are more tolerant of large field angles. Because they are metal/dielectric, an average absorption of 0.5% is typical.

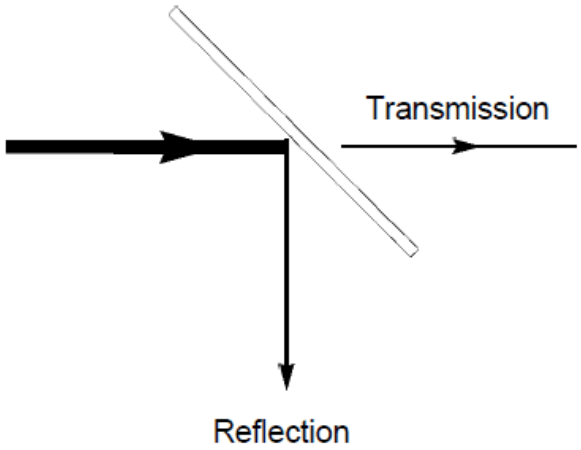
Should you require other ratios or thicknesses than listed below, or should absorption be objectionable, please see Types 101/102/103 (all dielectric Beam Splitters).

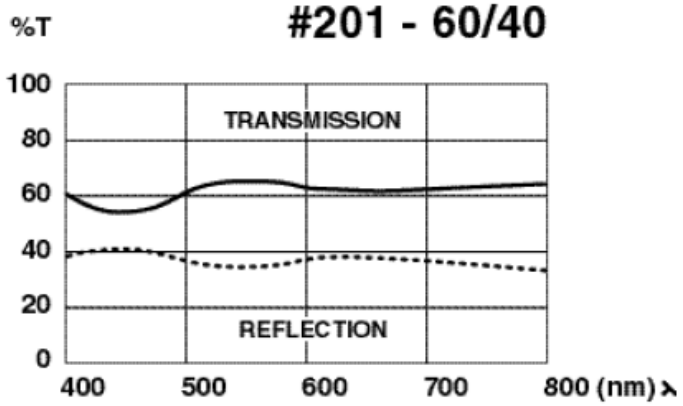
### *Features*

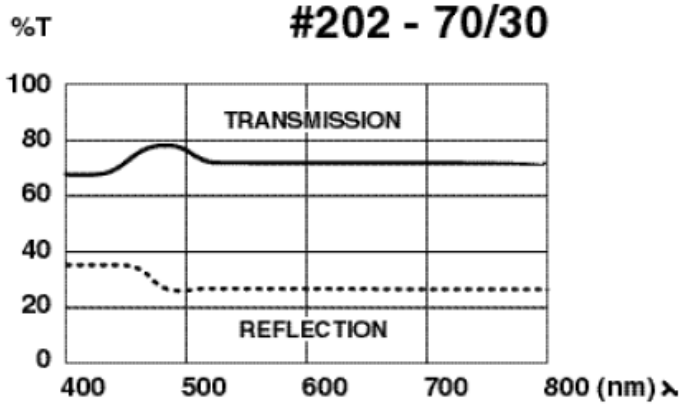
- Color Neutral
- Accepts large field angles
- Large size
- Rugged & durable

### *Specifications*

| | |
|---|---|
| Substrate: | Float Glass |
| Thickness: | 1/8″ |
| Size: | Up to 31″ x 34″ dia. |



**Product Information: BEAM SPLITTERS - PRECISION GRADE** *08/11*

# GENERAL DESCRIPTION

A Beam Splitter, often called a half-mirror, is an optical window with a semi transparent coating which divides a beam into two or more separate beams.

Abrisa Technologies' Precision Grade Beam Splitters are all dielectric multi-layers, one surface coated for transmission/reflection values, the second surface anti reflection coated to reduce ghost images. Strict control in their manufacture insure low absorption of less than 0.25%. They are designed for use at 45° angle of incidence, transmission/reflection values will change when used at other angles.

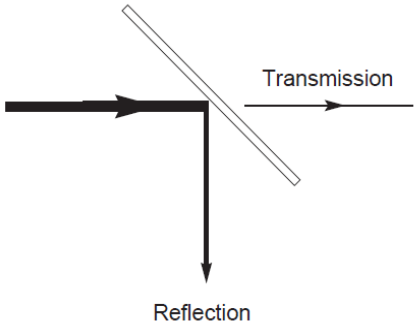
For specialized wavelengths, transmission and reflection ratios or substrates, contact one of our

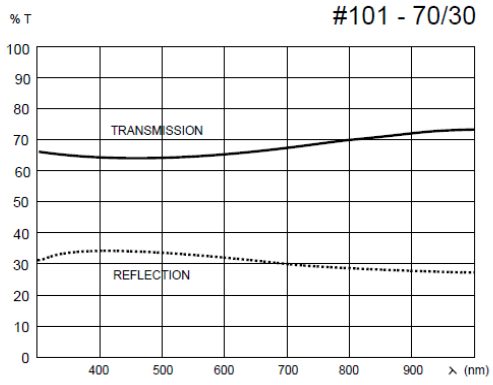
***Features***

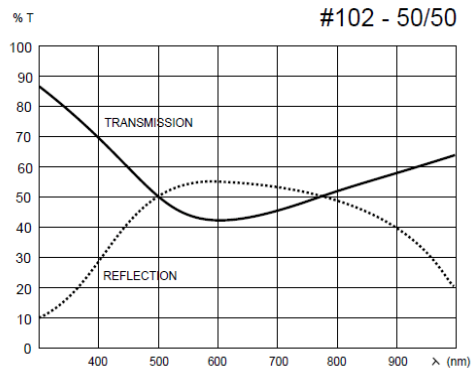
- Low Absorption
- Light weight
- All hard dielectric
- Rugged & durable

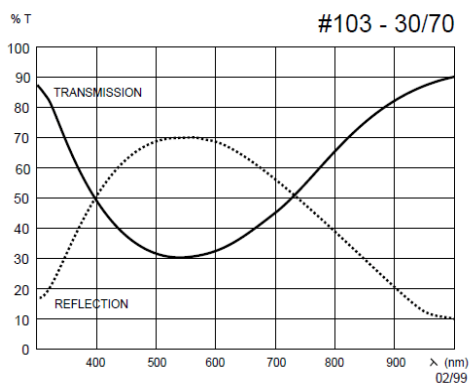
***Specifications***

| | |
|---|---|
| Substrate: | As specified |
| Thickness: | 1.0 mm to 3.0 mm |
| Tolerance | ± 5% @ 550 nm |
| Size: | Up to 24" dia. |

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