

**MATERION**

// BALZERS OPTICS

Color Separating Mirrors

High Performance Dichroic Color Mirrors

Dichroic color separating mirrors are dielectric interference mirrors which reflect certain regions of the visible spectrum and transmit others with a high degree of efficiency. Dichroic mirrors are designed for incidence angle of 45° and virtually absorption free, highly reflecting and with optimum color saturation. Filters are mechanically and chemically resistant without fading and aging.



Benefits

- Sharp spectral separation between reflection and transmission and with high reflection and transmission values
- Very high color purity
- Ultimate color saturation
- High brightness
- Accurate and reproducible colors
- High temperature resistance
- Filter characteristics independent of glass thickness
- Robust, easy to clean

Applications

- Optical sensors
- Readers, Barcode scanners
- Color printers, color enlargers
- Optical measuring instruments, Spectroscopy
- High End luminaires
- Entertainment lighting
- Color TV cameras
- Fotofinishing
- Signalisation

Technical Data

Colors

3 colors (customized colors on request)

Angles of incidence

45°

Substrate material

Heat resistant borosilicate glass

Temperature stability

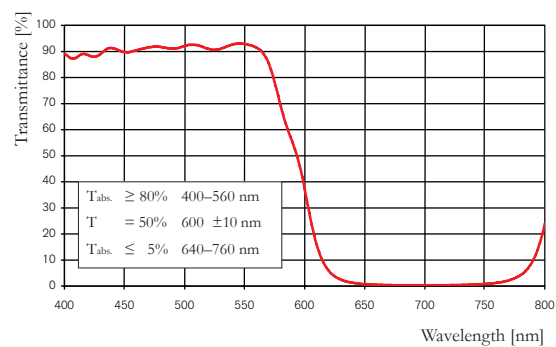
up to 300°C

Standard dimension

$160 \cdot 110 \cdot 1.1 \text{ mm}$

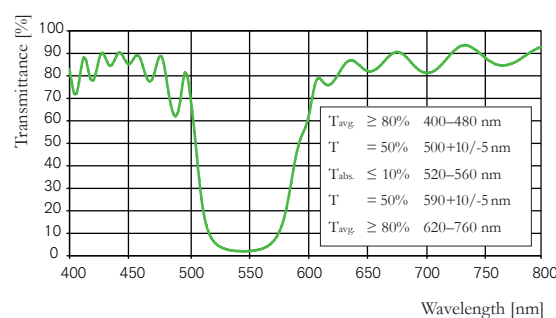
DC-RED STD

AOI = 45°



DC-GREEN STD

AOI = 45°



DC-BLUE STD

AOI = 45°

