

[See all 20 Products in Family](#)

50mm Diameter, 45° AOI, Hot Mirror



Hot Mirrors

Stock #55-233 **10 In Stock**

1 MRP ₹7,062

Price inclusive of all taxes

ADD TO CART

Volume Pricing	
Qty 1-9	₹7,062 each
Qty 10-25	₹6,357 each
Qty 26-49	₹6,003 each
Need More?	Request Quote

Product Downloads

General

Dichroic Filter **Type:**

Physical & Mechanical Properties

50.00 ±0.25 **Diameter (mm):**

Thickness (mm):

Optical Properties

>85, 425 - 675nm **Transmission (%)**:

Dielectric

Coating Type:

Hot Mirror, 45°

Coating:

4 - 6λ

Surface Flatness (P-V):

425 - 1125

Wavelength Range (nm):

BOROFLOAT®

Substrate: □

45.00

Angle of Incidence (°):

Surface 1: 45° Hot Mirror
Surface 2: None

Coating Specification:

>90, 750 - 1125nm

Reflection (%):

80-50

Surface Quality:

Regulatory Compliance

Compliant

RoHS 2015:

View

Certificate of Conformance:

Compliant

Reach 247:

United States

Country of Origin:

Imported By:
Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91-80-6845 0000

Product Details

- Ideal for Reducing Heat
- Reflects >90% of the NIR and IR
- Transmits >85% of Visible Light

Hot Mirrors are available in 0° or 45° angle of incidence options and are ideal for decreasing the undesirable heat caused by infrared radiation. A multi-layer dielectric coating transmits 85% of visible light while reflecting over 90% of the NIR and IR, making them suited for projection systems where heat build-up can lead to system damage.

Note: When using high power illumination, forced air cooling is recommended.

Hot mirrors are crucial in many projection and illumination systems where high levels of heat can quickly damage sensitive components. Hot mirrors are specially coated to transmit visible light while reflecting the NIR, a major contributor to heat generation. By using a hot mirror, heat levels are limited with minimum impact on the overall system performance.

Quote Your Size

Compatible Mounts