

[See all 20 Products in Family](#)

12.5mm Square, 45° AOI, Hot Mirror



Hot Mirrors

Stock #62-624 **20+ In Stock**

- 1 + MRP ₹4,465

Price inclusive of all taxes

ADD TO CART

Volume Pricing

Qty 1-9	₹4,465 each
Qty 10-25	₹4,011 each
Qty 26-49	₹3,809 each
Need More?	Request Quote

Product Downloads

General

Dichroic Filter **Type:**

Physical & Mechanical Properties

1.10 **Thickness (mm):**

Dimensions (mm):

12.5 x 12.5

Dimensional Tolerance (mm):

±0.5

Length (mm):

12.50

Width (mm):

12.50

Optical Properties

Transmission (%):

>85, 425 - 675nm

Coating Type:

Dielectric

Coating:

Hot Mirror, 45°

Surface Flatness (P-V):

4 - 6λ

Wavelength Range (nm):

425 - 1125

Substrate:

[BOROFLOAT®](#)

Angle of Incidence (°):

45.00

Coating Specification:

Surface 1: 45° Hot Mirror
Surface 2: None

Reflection (%):

>90, 750 - 1125nm

Surface Quality:

80-50

Regulatory Compliance

RoHS 2015:

[Compliant](#)

Certificate of Conformance:

[View](#)

Reach 247:

[Compliant](#)

Country of Origin:

United States

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