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## 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
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### 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**