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**TECHSPEC® 45° AOI, 12.5mm Square, Hot Mirror**



TECHSPEC High Performance Hot Mirrors

Stock #64-464 **10 In Stock**

- 1 + MRP ₹5,196

Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1-9	₹5,196 each
Qty 10-25	₹4,667 each
Qty 26-49	₹4,439 each
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Product Downloads

**General**

Dichroic Filter **Type:**

**Physical & Mechanical Properties**

1.10 ±0.2 **Thickness (mm):**

**Dimensions (mm):**

12.5 x 12.5

**Dimensional Tolerance (mm):**

+0.0/-0.2

**Length (mm):**

12.50

**Width (mm):**

12.50

**Optical Properties**

**Coating Type:**

Dielectric

**Coating:**

Hot Mirror, 45°

**Surface Flatness (P-V):**

4 - 6λ

**Wavelength Range (nm):**

400 - 1125

**Substrate:**

**BOROFLOAT®**

**Angle of Incidence (°):**

45

**Coating Specification:**

T<sub>avg</sub> >85% @ 400 - 690nm, R<sub>avg</sub> >95% @ 750 - 1125nm  
AR: R<sub>avg</sub> <1% @ 400 - 700nm

**Surface Quality:**

80-50

**Regulatory Compliance**

**RoHS 2015:**

**Compliant**

**Certificate of Conformance:**

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**Reach 247:**

**Compliant**

**Country of Origin:**

United States

**Imported By:**

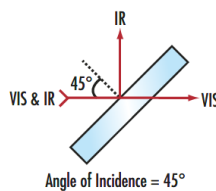
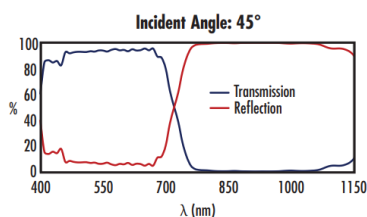
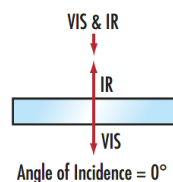
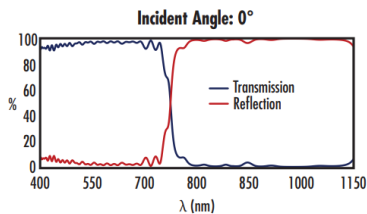
Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
Phone: +91- 80-6845 0000

**Product Details**

- High Transmission from 400 - 690nm
- High Reflection from 750 - 1125nm
- Ideal for Minimizing Heat Build-Up

TECHSPEC® High Performance Hot Mirrors feature a multi-layer dielectric coating optimized for greater than 85% transmission of visible light and greater than 95% reflection of IR wavelengths. For high power illumination, forced air cooling is recommended. Hot mirrors, also known as heat-reflecting mirrors, are crucial in many projection and illumination systems where high levels of heat can quickly damage sensitive components. TECHSPEC High Performance Hot Mirrors are ideal for minimizing heat build-up. Hot mirrors are specially coated to transmit visible light while reflecting the NIR, a major attributor to heat generation. By using a hot mirror, heat levels are limited with minimum impact on the overall system performance.

**Technical Information**



**Quote Your Size**

## Compatible Mounts

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