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35mm Square, 45° AOI, Hot Mirror

Hot Mirrors

Stock **#62-630** **20+ In Stock**

- 1 + **C$84**.70

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Volume Pricing	
Qty 1-9	**C$84.70** each
Qty 10-25	**C$76.30** each
Qty 26-49	**C$72.80** each
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General

Type:

Dichroic Filter

Physical & Mechanical Properties

Thickness (mm):

3.30

Dimensions (mm):

35.0 x 35.0

Dimensional Tolerance (mm):
±0.5

Length (mm):
35.00

Width (mm):
35.00

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

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 attributor 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

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