

101.6 x 127mm, 0° AOI, Hot Mirror



Hot Mirrors

Stock **#43-453** 8 In Stock

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1

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₹14,636

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Volume Pricing	
Qty 1-9	₹14,636 each
Qty 10-25	₹13,157 each
Qty 26-49	₹12,534 each
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Product Downloads

General	
Shortpass Filter	Type:
Physical & Mechanical Properties	
101.6 x 127.0	Dimensions (mm):
3.30	Thickness (mm):

Dimensional Tolerance (mm):	
±0.5	
Optical Properties	
Angle of Incidence (°):	
0.00	
Coating:	
Hot Mirror, 0°	
Substrate: ☐	
BOROFLOAT®	
Reflection (%):	
>95, 750 - 1150nm	
Surface Quality:	
80-50	
Transmission (%):	
>90, 425 - 675nm	
Coating Specification:	
Surface 1: 0° Hot Mirror Surface 2: None	
Wavelength Range (nm):	
425 - 1150	
Surface Flatness (P-V):	
4 - 6λ	
Coating Type:	
Dielectric	
Regulatory Compliance	
RoHS 2015:	
Compliant	
Certificate of Conformance:	
View	
Reach 247:	
Compliant	
Country of Origin:	
United States	
Importer:	
Edmund Optics India Private Limited	

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