

0° AOI, 50mm Dia, UV Hot Mirror



UV Hot Mirrors

Stock **#46-589** 11 In Stock

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1

+

A\$403²⁰

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Volume Pricing	
Qty 1-9	A\$403.20 each
Qty 10-25	A\$363.20 each
Qty 26-49	A\$345.60 each
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Product Downloads

General	
Shortpass Filter	Type:
Physical & Mechanical Properties	
50.00 ±0.25	Diameter (mm):
3.00 ±0.2	Thickness (mm):

90	Clear Aperture (%):
Ground	Edges:
Optical Properties	
0	Angle of Incidence (°):
Hot Mirror, 0°	Coating:
Fused Silica (Corning 7980)	Substrate: ☐
80-50	Surface Quality:
R _{avg} >70% @ 800 - 1050nm T _{avg} >80% @ 245 - 460nm	Coating Specification:
245 - 1050	Wavelength Range (nm):
3 - 5λ	Surface Flatness (P-V):
Dielectric	Coating Type:
Regulatory Compliance	
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

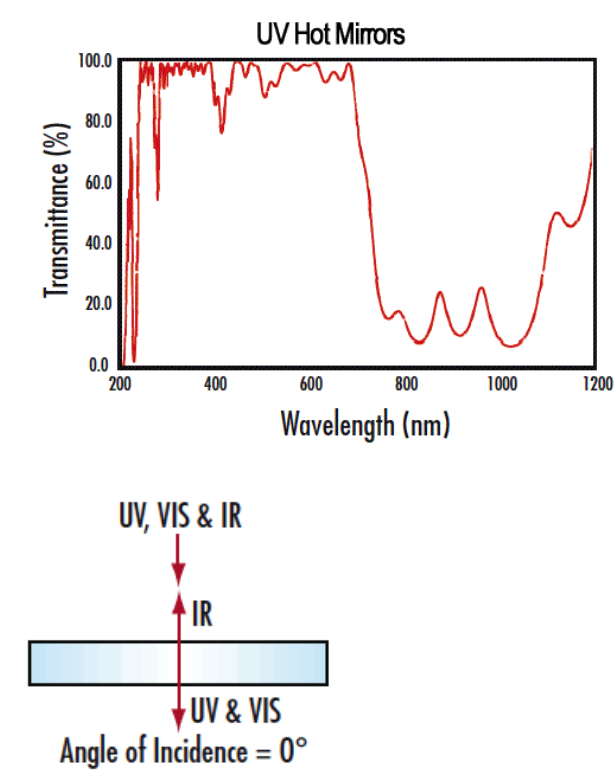
Product Details

- Transmits 80% of UV and Visible Light
- Reflects 70% of IR Light
- [Contact Us](#) for Custom Sizes

Designed for a 0° angle of incidence, these UV Hot Mirrors' multi-layer dielectric coating reflects infrared radiation, limiting heat buildup, while allowing UV and visible light to pass through. The fused silica substrate's high transmission is ideal for projection and illumination systems, as well as in fluorescence applications that require the transmission of the UV excitation wavelength and the rejection of radiation harmful to temperature sensitive samples.

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.

Technical Information



Quote Your Size

Compatible Mounts

