Edmund
optics | worldwide

TECHSPEC® 0° AOI, 12.5mm Square, Hot Mirror

TECHSPEC High Performance Hot Mirrors

Stock **#64-454**   **20+ In Stock**

⊖   1   ⊕   £41.²⁰

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Volume Pricing	
Qty 1-9	**£41.20** each
Qty 10-25	**£37.00** each
Qty 26-49	**£35.20** each
Need More?	**Request Quote**

ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Type:
Shortpass Filter

Physical & Mechanical Properties

Thickness (mm):
1.10 ±0.2

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, 0°	

	Surface Flatness (P-V):
4 - 6λ	

	Wavelength Range (nm):
400 - 1150	

	Substrate: ☐
BOROFLOAT®	

	Angle of Incidence (°):
0	

	Coating Specification:
T_{avg} >90% @ 400 - 690nm, R_{avg} >95% @ 710 - 1150nm AR: R_{avg} <1% @ 400 - 700nm	

	Surface Quality:
80-50	

Regulatory Compliance

	RoHS 2015:
Compliant	

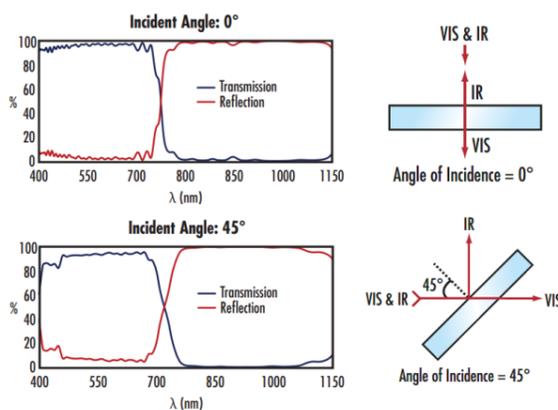|	Certificate of Conformance:
View	

	Reach 247:
Compliant	

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