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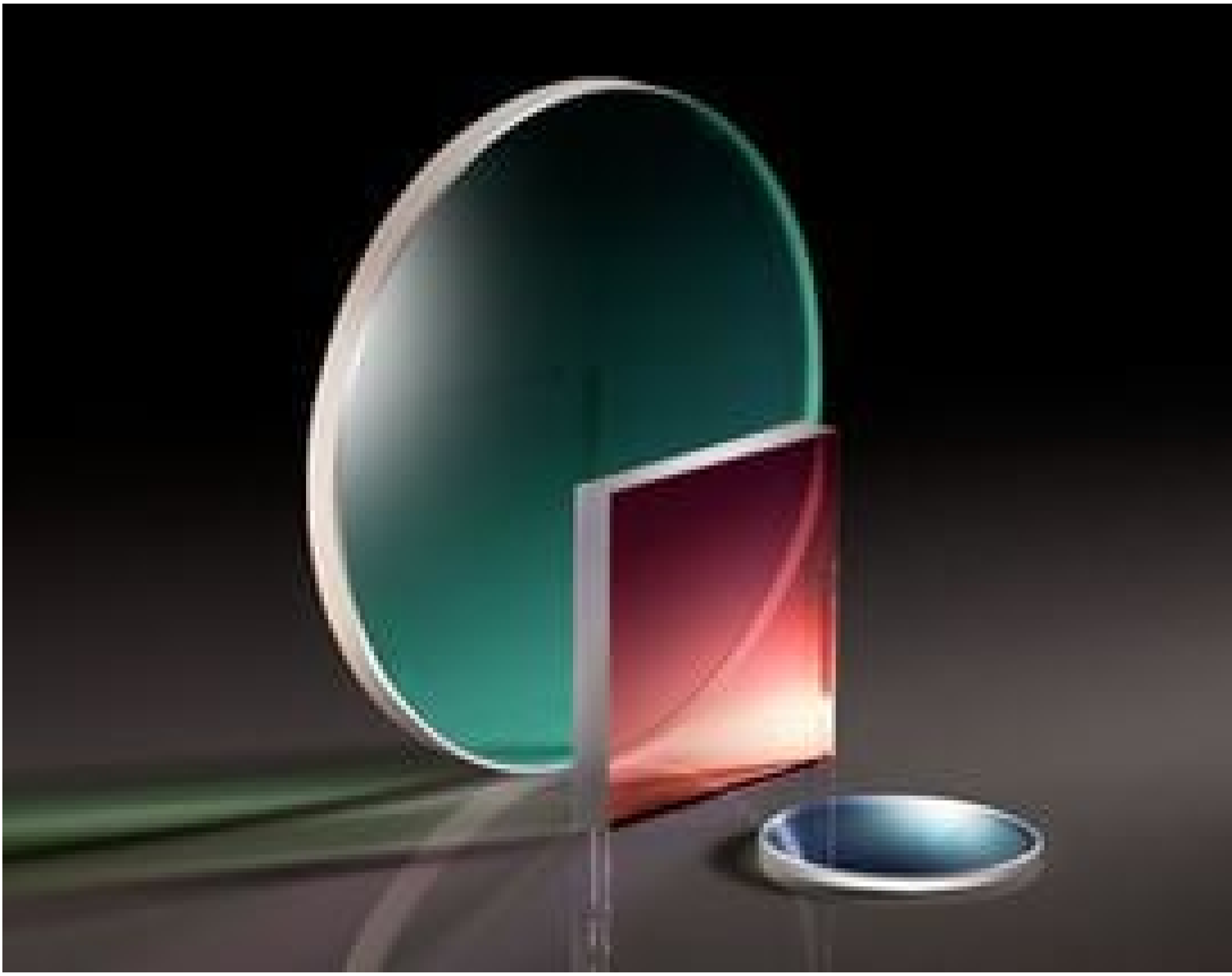
TECHSPEC® 45° AOI, 50.0mm Diameter, Hot Mirror



TECHSPEC High Performance Hot Mirrors

Stock **#64-470** **20+ In Stock**

- 1 + **S$155.40**

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Volume Pricing	
Qty 1-9	**S$155.40** each
Qty 10-25	**S$140.00** each
Qty 26-49	**S$133.70** each
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General

Type:
Dichroic Filter

Physical & Mechanical Properties

Diameter (mm):
50.00

Thickness (mm):
3.30 ±0.2

Dimensional Tolerance (mm):
+0.0/-0.2

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_{avg} >85% @ 400 - 690nm, R_{avg} >95% @ 750 - 1125nm
AR: R_{avg} <1% @ 400 - 700nm

Surface Quality:
80-50

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

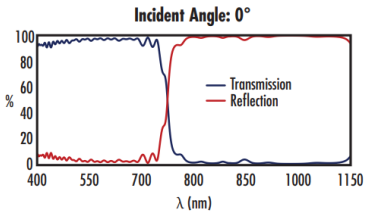
Reach 247:
Compliant

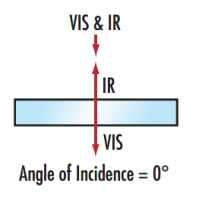
Product Details

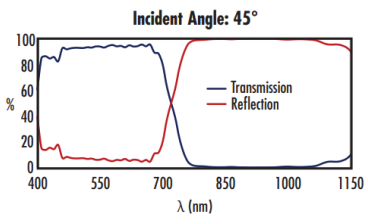
- High Transmission from 400 - 690nm
- High Reflection from 750 - 1125nm
- Ideal for Minimizing Heat Build-Up

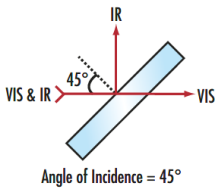
TECHSPEC® High Performance Hot Mirrors feature a multi-layer dielectric coating optimized for greater than 85% transmission of visible light and greater than 95% reflection of IR wavelengths. For high power illumination, forced air cooling is recommended. Hot mirrors, also known as heat-reflecting mirrors, 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









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Compatible Mounts

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