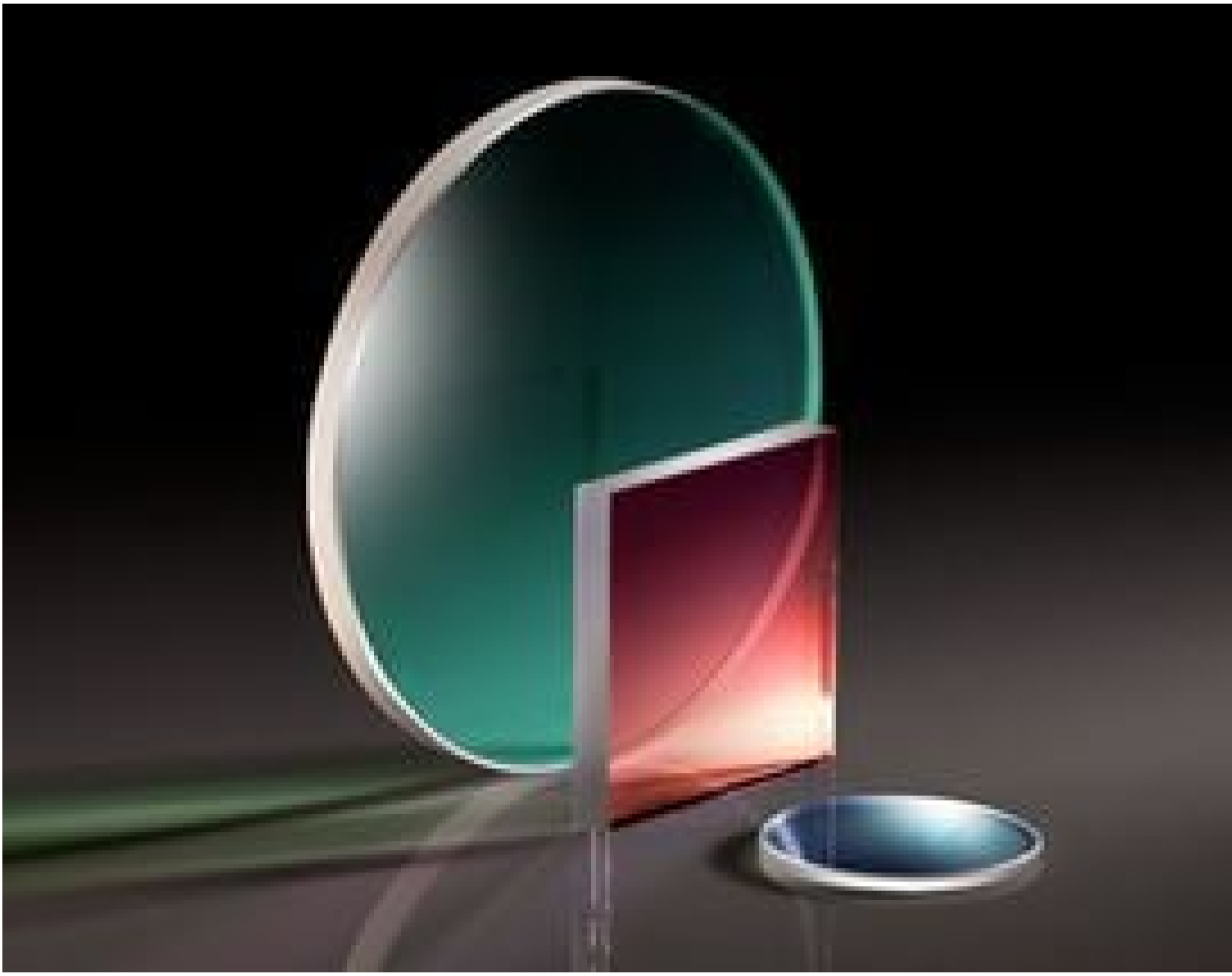
TECHSPEC® 0° AOI, 35.0mm Square, Hot Mirror



TECHSPEC High Performance Hot Mirrors

Stock **#64-459** **16 In Stock**

- 1 + **£62**.80

ADD TO CART

Volume Pricing	
Qty 1-9	**£62.80** each
Qty 10-25	**£56.80** each
Qty 26-49	**£54.00** each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

Product Downloads

SPECIFICATIONS

General

Type:	Shortpass Filter

Physical & Mechanical Properties

Dimensions (mm):
35.0 x 35.0

Thickness (mm):
3.30 ±0.2

Dimensional Tolerance (mm):
+0.0/-0.2

Optical Properties

Angle of Incidence (°):
0

Coating:
Hot Mirror, 0°

Substrate:
BOROFLOAT®

Surface Quality:
80-50

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

Wavelength Range (nm):
400 - 1150

Surface Flatness (P-V):
4 - 6λ

Coating Type:
Dielectric

Regulatory Compliance

RoHS 2015:
Compliant

Certificate of Conformance:
View

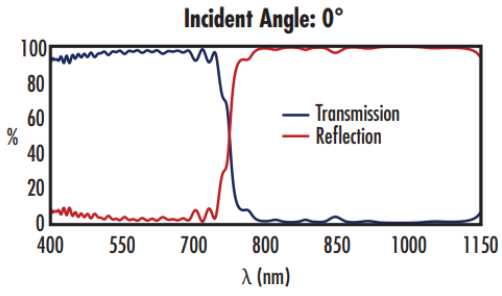
Reach 247:
Compliant

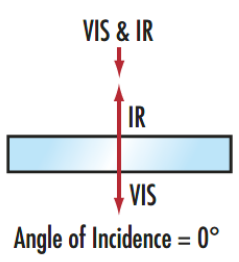
PRODUCT DETAILS

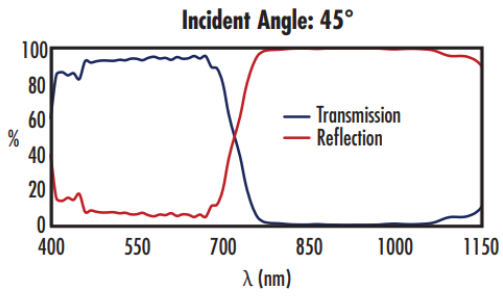
- High Transmission from 400 - 690nm
- High Reflection from 750 - 1125nm
- Ideal for Minimizing Heat Build-Up

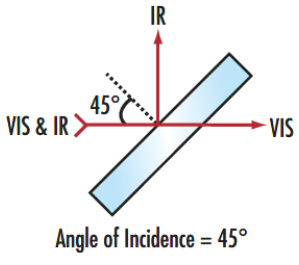
TECHSPEC® High Performance Hot Mirrors feature a multi-layer dielectric coating optimized for greater than 85% transmission of visible light and greater than 95% reflection of IR wavelengths. For high power illumination, forced air cooling is recommended. Hot mirrors, also known as heat-reflecting mirrors,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