

TECHSPEC® 45° AOI, 12.5mm Diameter, Hot Mirror



TECHSPEC High Performance Hot Mirrors

Stock **#64-463** [CONTACT US](#)

− 1 + A\$82⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-9	A\$82.40 each
Qty 10-25	A\$74.00 each
Qty 26-49	A\$70.40 each
Need More?	Request Quote

Product Downloads

SPECIFICATIONS

General

Dichroic Filter **Type:**

Physical & Mechanical Properties

12.50	Diameter (mm):
1.10 ±0.2	Thickness (mm):
+0.0/-0.2	Dimensional Tolerance (mm):

Optical Properties

45	Angle of Incidence (°):
Hot Mirror, 45°	Coating:
BOROFLOAT®	Substrate: <input type="checkbox"/>
80-50	Surface Quality:
Coating Specification: $T_{avg} > 85\%$ @ 400 - 690nm, $R_{avg} > 95\%$ @ 750 - 1125nm AR: $R_{avg} < 1\%$ @ 400 - 700nm	
400 - 1125	Wavelength Range (nm):
4 - 6λ	Surface Flatness (P-V):
Dielectric	Coating Type:

Regulatory Compliance

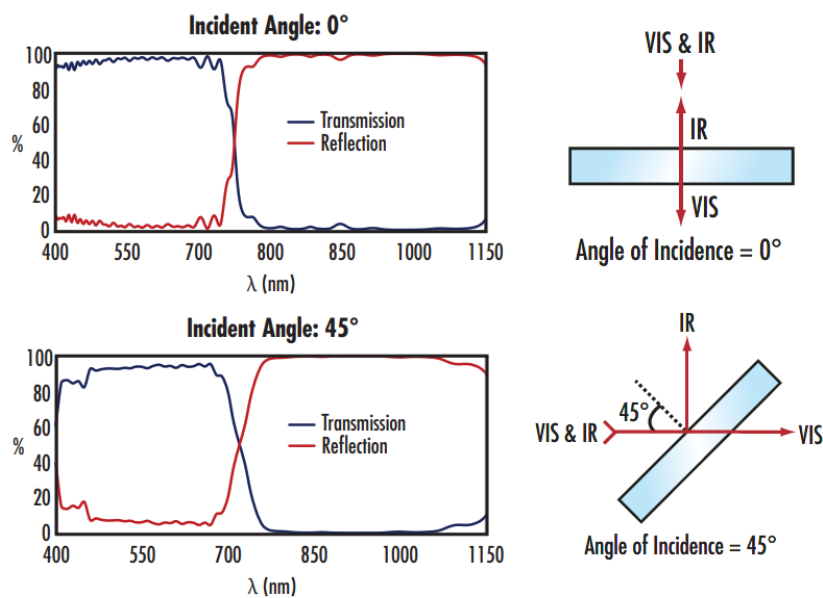
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 247:

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 contributor 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

