

TECHSPEC[®] 45° AOI, 12.5mm Square, Hot Mirror



TECHSPEC High Performance Hot Mirrors

Stock **#64-464**

10 TO 12 DAYS

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1

+

₹3,659

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Qty 1-9
₹3,659
Qty 10+
₹3,289
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SPECIFICATIONS

General

Dichroic Filter

Type:

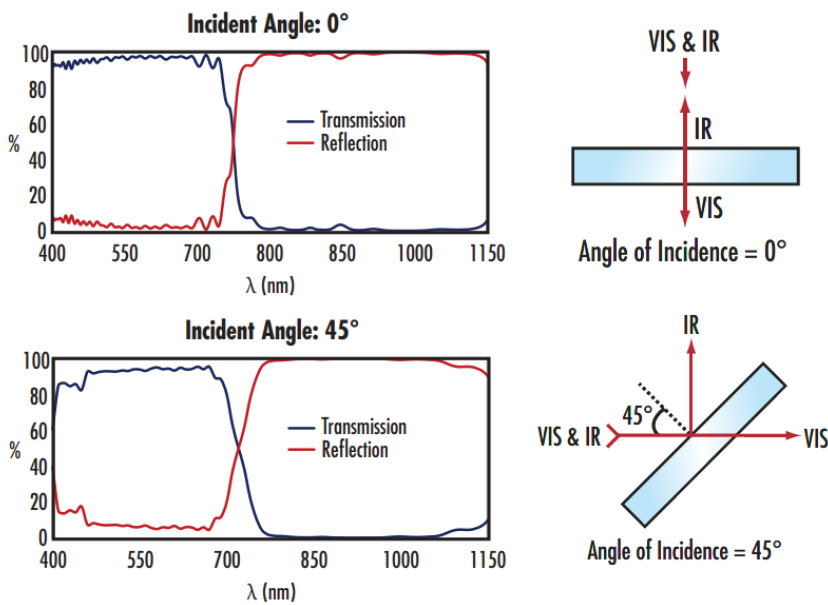
Physical & Mechanical Properties	
12.5 x 12.5	Dimensions (mm):
1.10	Thickness (mm):
±0.2	Thickness Tolerance (mm):
+0.0/-0.2	Dimensional Tolerance (mm):
Optical Properties	
45	Angle of Incidence (°):
Hot Mirror, 45°	Coating:
BOROFLOAT®	Substrate: ☐
80-50	Surface Quality:
Coating Specification: T _{avg} >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 242:

PRODUCT DETAILS

- High Transmission from 400 - 690nm
- High Reflection from 750 - 1125nm
- Ideal for Mnimizing 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



COMPATIBLE MOUNTS

