

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



TECHSPEC High Performance Hot Mirrors

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

-

1

+

£88⁰⁰

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Volume Pricing	
Qty 1-9	£88.80 each
Qty 10-25	£80.00 each
Qty 26-49	£76.40 each
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 Prices shown are exclusive of VAT/local taxes

Product Downloads

General

Dichroic Filter

Type:

Physical & Mechanical Properties

50.00

Diameter (mm):

Thickness (mm):

3.30 ±0.2	
Dimensional Tolerance (mm):	
+0.0/-0.2	
Optical Properties	
Angle of Incidence (°):	
45	
Coating:	
Hot Mirror, 45°	
Substrate: ☐	
BOROFLOAT®	
Surface Quality:	
80-50	
Coating Specification:	
T _{avg} >85% @ 400 - 690nm, R _{avg} >95% @ 750 - 1125nm	
AR: R _{avg} <1% @ 400 - 700nm	
Wavelength Range (nm):	
400 - 1125	
Surface Flatness (P-V):	
4 - 6λ	
Coating Type:	
Dielectric	

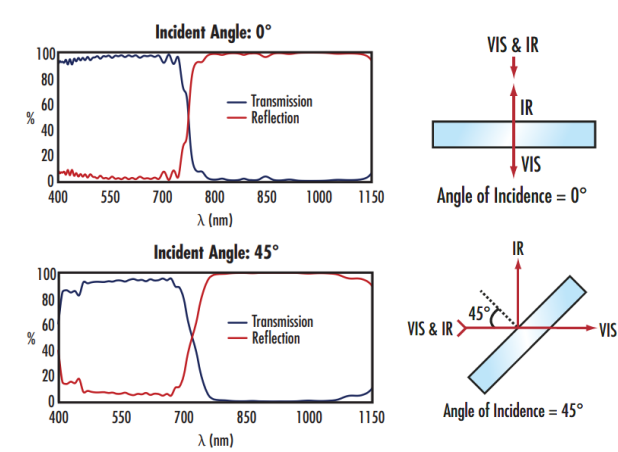
Regulatory Compliance	
RoHS 2015:	
Compliant	
Certificate of Conformance:	
View	
Reach 247:	
Compliant	

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



Quote Your Size

Compatible Mounts