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25mm Dia., Extended Hot Mirror

Extended Hot Mirrors

Stock **#46-386** **20+ In Stock**

- 1 + **MRP ₹7,466**

Price inclusive of all taxes

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Volume Pricing	
Qty 1-9	**₹7,466** each
Qty 10-25	**₹6,709** each
Qty 26-49	**₹6,406** each
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General

Type:

Shortpass Filter

Physical & Mechanical Properties

Diameter (mm):

25.00 ±0.25

Thickness (mm):

3.30 ±0.2

Clear Aperture (%):

≥85

Edges:

Ground

Optical Properties

Coating Type:

Dielectric

Coating:

Hot Mirror, 0°

Surface Flatness (P-V):

4 - 6λ

Wavelength Range (nm):

425 - 1600

Substrate:

BOROFLOAT®

Angle of Incidence (°):

0.00

Coating Specification:

R_{avg} ≥90% @ 750 - 1150nm
R_{avg} ≥80% @ 1200 - 1600nm
T_{avg} ≥85% @ 425 - 675nm

Surface Quality:

80-50

Regulatory Compliance

RoHS 2015:

Compliant

Certificate of Conformance:

View

Reach 247:

Compliant

Country of Origin:

United States

Imported By:

Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
Karnataka, India 560038
Phone: +91- 80-6845 0000

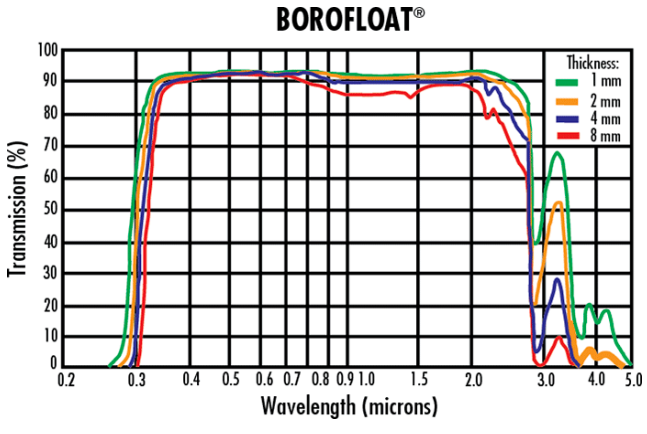
Product Details

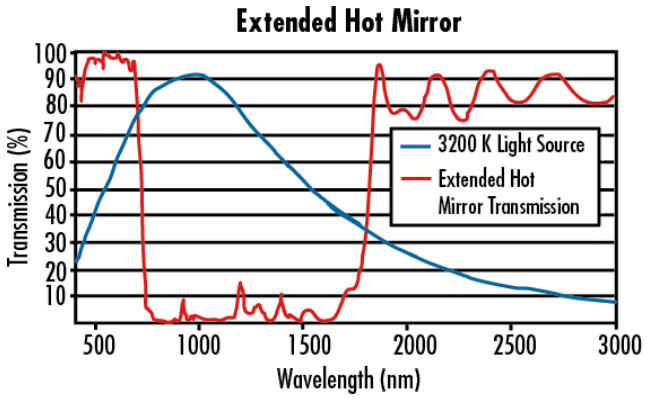
- Improved NIR Reflectance Over Standard Hot Mirrors
- Operating Temperatures up to 230°C
- Neutral Color for 5500K or 3200K Sources to ±250K

Extended Hot Mirrors are designed to reduce the heat in an optical system without sacrificing the system's visible output. While typical hot mirrors reflect from 750nm to approximately 1250nm, Extended Hot Mirrors further reduce heat by extending the reflection range to approximately 1750nm.

Hot mirrors are crucial in many projection and illumination systems where high levels of heat can quickly damage sensitive components. 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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