

## 50mm Dia., Extended Hot Mirror



Extended Hot Mirrors

Stock **#47-303** **20+ In Stock**

⊖ 1 ⊕ ₹7,941

**ADD TO CART**

Volume Pricing	
Qty 1-9	₹7,941 each
Qty 10-25	₹7,162 each
Qty 26-49	₹6,773 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

### SPECIFICATIONS

#### General

Shortpass Filter **Type:**

#### Physical & Mechanical Properties

50.00 ±0.25	<b>Diameter (mm):</b>
3.30 ±0.2	<b>Thickness (mm):</b>
≥85	<b>Clear Aperture (%):</b>
Ground	<b>Edges:</b>

### Optical Properties

0.00	<b>Angle of Incidence (°):</b>
Hot Mirror, 0°	<b>Coating:</b>
<a href="#">BOROFLOAT®</a>	<b>Substrate:</b> <input type="checkbox"/>
80-50	<b>Surface Quality:</b>
<b>Coating Specification:</b>	
R <sub>avg</sub> ≥90% @ 750 - 1150nm	
R <sub>avg</sub> ≥80% @ 1200 - 1600nm	
T <sub>avg</sub> ≥85% @ 425 - 675nm	
425 - 1600	<b>Wavelength Range (nm):</b>
4 - 6λ	<b>Surface Flatness (P-V):</b>
Dielectric	<b>Coating Type:</b>

### Regulatory Compliance

<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 247:</b>

## PRODUCT DETAILS

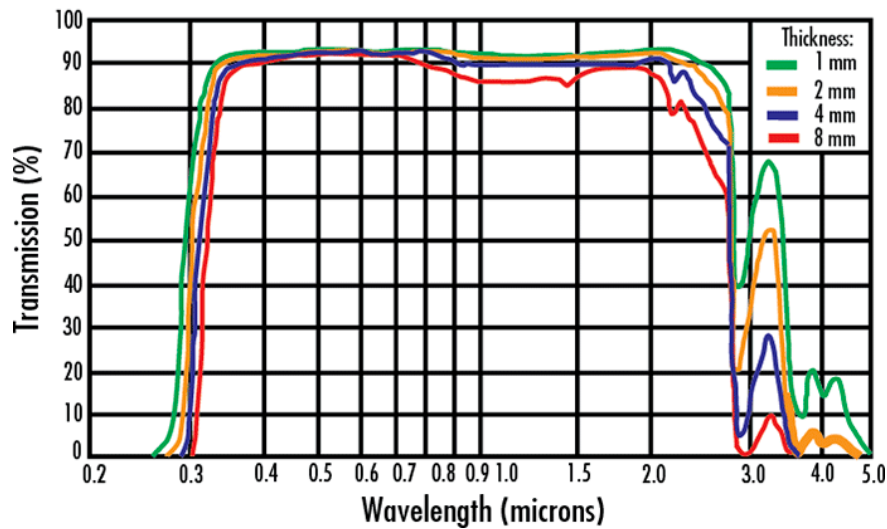
- Improved NIR Reflectance Over Standard Hot Mirrors
- Operating Temperatures up to 230°C
- Neutral Color for 5500K or 3200K Sources to ±250K

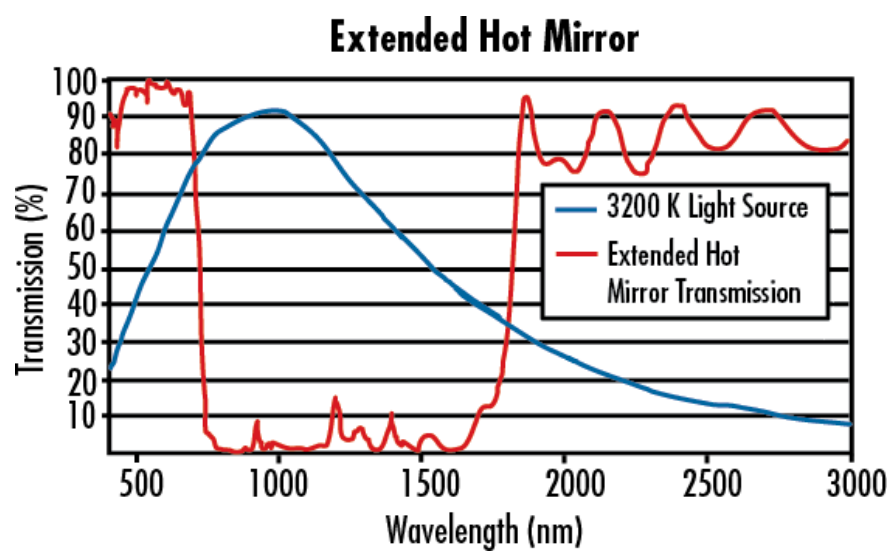
Extended Hot Mirrors are designed to reduce the heat in an optical system without sacrificing the system's visible output. While typical hot mirrors reflect from 750nm to approximately 1250nm, Extended Hot Mirrors further reduce heat by extending the reflection range to approximately 1750nm.

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 contributor to heat generation. By using a hot mirror, heat levels are limited with minimum impact on the overall system performance.

## TECHNICAL INFORMATION

### BOROFLOAT®





QUOTE YOUR SIZE

COMPATIBLE MOUNTS

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