

## 25mm Diameter, 0° AOI, Hot Mirror



Hot Mirrors

Stock **#43-842** 20+ In Stock

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1

+

₹3,717

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| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-9        | ₹3,717 each                   |
| Qty 10-25      | ₹3,348 each                   |
| Qty 26-49      | ₹3,172 each                   |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

| General                          |                 |
|----------------------------------|-----------------|
| Shortpass Filter                 | Type:           |
| Physical & Mechanical Properties |                 |
| 25.00 ±0.25                      | Diameter (mm):  |
| 3.30                             | Thickness (mm): |

| Optical Properties                          |                                     |
|---------------------------------------------|-------------------------------------|
| 0.00                                        | Angle of Incidence (°):             |
| Hot Mirror, 0°                              | Coating:                            |
| <a href="#">BOROFLOAT®</a>                  | Substrate: <input type="checkbox"/> |
| >95, 750 - 1150nm                           | Reflection (%):                     |
| 80-50                                       | Surface Quality:                    |
| >90, 425 - 675nm                            | Transmission (%):                   |
| Surface 1: 0° Hot Mirror<br>Surface 2: None | Coating Specification:              |
| 425 - 1150                                  | Wavelength Range (nm):              |
| 4 - 6λ                                      | Surface Flatness (P-V):             |
| Dielectric                                  | Coating Type:                       |

| Regulatory Compliance               |                             |
|-------------------------------------|-----------------------------|
| <a href="#">Compliant</a>           | RoHS 2015:                  |
| <a href="#">View</a>                | Certificate of Conformance: |
| <a href="#">Compliant</a>           | Reach 247:                  |
| United States                       | Country of Origin:          |
| Edmund Optics India Private Limited | Imported By:                |

## Product Details

- Ideal for Reducing Heat
- Reflects >90% of the NIR and IR
- Transmits >85% of Visible Light

Hot Mirrors are available in 0° or 45° angle of incidence options and are ideal for decreasing the undesirable heat caused by infrared radiation. A multi-layer dielectric coating transmits 85% of visible light while reflecting over 90% of the NIR and IR, making them suited for projection systems where heat build-up can lead to system damage.

**Note:** When using high power illumination, forced air cooling is recommended.

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.

## Quote Your Size

## Compatible Mounts