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## 25.4mm Dia., 1000 - 1100nm, High-Power Low-Loss Laser Mirror

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UltraFast Innovations (UFI) High-Power Low-Loss Laser Mirrors

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⊖ 1 ⊕ ₹57,998

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### Product Downloads

#### General

HR2007 **Model Number:**

#### Physical & Mechanical Properties

10±5 **Wedge Angle (arcmin):**

80 **Clear Aperture (%):**

Commercial Polish	<b>Back Surface:</b>
25.40 +0.00/-0.05	<b>Diameter (mm):</b>
12.70 ±0.05	<b>Thickness (mm):</b>
0.75	<b>Bevel:</b>

## Optical Properties

>99.99% @ 1030 & 1064nm	<b>Reflectivity (Rs%):</b>
>99.98% @ 1030 & 1064nm	<b>Reflectivity (Rp%):</b>
0fs <sup>2</sup> @ 1030nm & 1064nm, 45°, s- and p-pol	<b>GDD Specification:</b>
1000 - 1100	<b>Wavelength Range (nm):</b>
λ/10	<b>Irregularity (P-V) @ 632.8nm:</b>
Dielectric	<b>Coating Type:</b>
1030, 1064	<b>Design Wavelength DWL (nm):</b>
45	<b>Angle of Incidence (°):</b>
<a href="#">Fused Silica</a> (Corning 7980)	<b>Substrate:</b> <input type="checkbox"/>
50 J/cm <sup>2</sup> @ 1064nm, 100Hz, 8ns pulses	<b>Damage Threshold, By Design:</b> <input type="checkbox"/>
0 fs <sup>2</sup> @ 45° AOI, 1030 and 1064nm, s- and p- pol	<b>Average GDD (fs<sup>2</sup>):</b>

## Regulatory Compliance

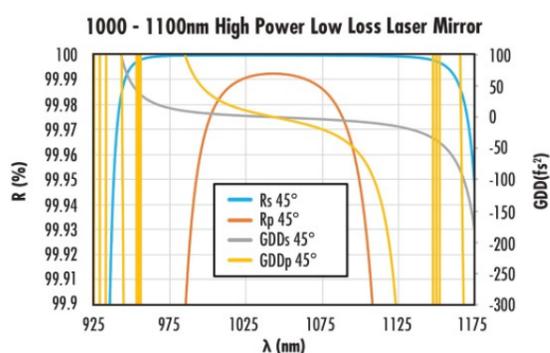
<a href="#">Compliant</a>	<b>RoHS 2015:</b>
<a href="#">View</a>	<b>Certificate of Conformance:</b>
<a href="#">Compliant</a>	<b>Reach 235:</b>
Germany	<b>Country of Origin:</b>
Edmund Optics India Private Limited	<b>Imported By:</b>

## Product Details

- >99.99% Reflectivity at 1030nm and 1064nm
- Laser Damage Threshold of 50 J/cm<sup>2</sup> at 1064nm, 100Hz, 8ns
- Universal Designs for Nanosecond, Picosecond, and Femtosecond Laser Pulses
- Custom Options are Available up to 200mm Diameter

UltraFast Innovations (UFI) High-Power Low-Loss Laser Mirrors provide >99.99% reflectivity with industry leading damage thresholds. Laser grade surface quality and surface flatness with 0fs<sup>2</sup> group delay dispersion (GDD) at 1030nm and 1064nm make these mirrors ideal for the requirements of demanding laser applications. With >99.99% reflectivity of s-polarized light and >99.98% reflectivity of p-polarized light, these mirrors can be used with nanosecond, picosecond, and femtosecond lasers. Durable dielectric coatings are tested to ensure a high laser damage threshold of >50 J/cm<sup>2</sup> at 1064nm, 100Hz, 8ns. UFI High-Power Low-Loss Laser Mirrors feature fused silica substrates with excellent thermal stability and a 25.4mm diameter to facilitate integration into 1030nm or 1064nm laser systems. Please contact us if your application requires a High Power Low Loss Laser Mirror with a custom size or coating.

## Technical Information



## Custom

Edmund Optics offers comprehensive custom manufacturing services for optical and imaging components tailored to your specific application requirements. Whether in the prototyping phase or preparing for full-scale production, we provide flexible solutions to meet your needs. Our experienced engineers are here to assist—from concept to completion.

Our capabilities include:

- Custom dimensions, materials, coatings, and more
- High-precision surface quality and flatness
- Tight tolerances and complex geometries
- Scalable production—from prototype to volume

Learn more about our [custom manufacturing capabilities](#) or submit an inquiry [here](#).

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