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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

Stock **#15-961** **8 In Stock**

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+

S\$1,162^{.00}

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Volume Pricing	
Qty 1-5	S\$1,162.00 each
Qty 6+	S\$1,022.00 each
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Product Downloads

General	
HR2007	Model Number:
Physical & Mechanical Properties	
10±5	Wedge Angle (arcmin):
80	Clear Aperture (%):

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

Optical Properties

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

Regulatory Compliance

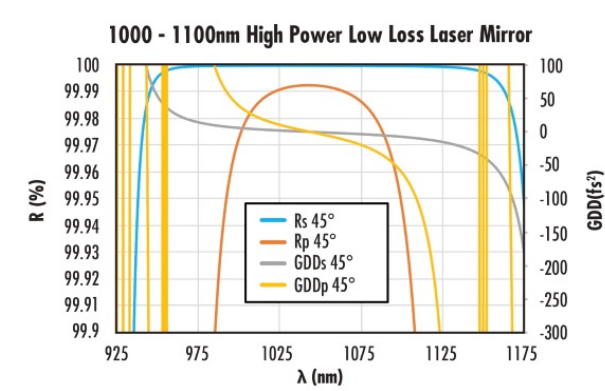
Compliant	RoHS 2015:
View	Certificate of Conformance:
Compliant	Reach 235:

Product Details

- >99.99% Reflectivity at 1030nm and 1064nm
- Laser Damage Threshold of 50 J/cm² 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 0fs² 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/cm² 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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