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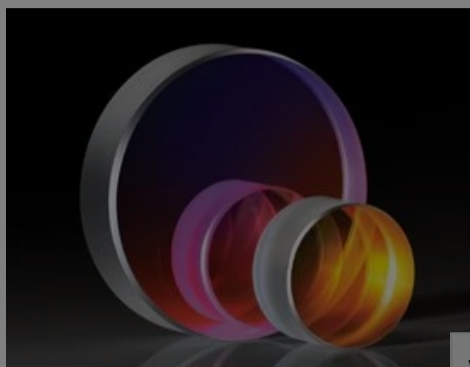
25.4mm Dia. 5° Mirror

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Stock #11-414 **13 In Stock**

1

€748^{,00}

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Volume Pricing	
Qty 1-3	€748,00 each
Qty 4-7	€528,00 each
Qty 8-13	€471,00 each
Need More?	Request Quote

Product Downloads	
STEP:step	Curve:pdf
PDF Drawing:pdf	IGES:igs
eDrawing:eprt	
EO Spec Sheet	Download All

Prices shown are exclusive of VAT/local taxes

General

Type: Laser Mirror	Typical Applications: Thulium and Holmium Lasers
Model Number: HD1501	

Physical & Mechanical Properties

Wedge Angle (arcmin): 10	Clear Aperture (%): 80
Back Surface: Commercial Polish	Diameter (mm): 25.40 +0.0/-0.1
Thickness (mm): 6.35 ±0.01	

Optical Properties

Reflection at DWL (%): >99.95	Reflectivity (Rp%): 99.9
Coating Specification: R _{avg} >99.9% @ 2000 - 2200nm (p-polarization)	GDD Specification: -1000fs ² @ 2000 - 2200nm (p-polarization)
Wavelength Range (nm): 2000 - 2200	Irregularity (P-V) @ 632.8nm: λ/10
Coating Type: Dielectric	Coating: Chirped Ultrafast (2000-2200nm)
Design Wavelength DWL (nm): 2000	Angle of Incidence (°): 5

Substrate: ⓘ

Fused Silica
(Corning 7980)

Regulatory Compliance

RoHS 2015: **Compliant**

Reach 235: **Compliant**

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Need different specs or modifications?

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

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Product Details

- Reflectivity >99.9% Between 2000 - 2200nm
- GDD of -1000fs^2 @ 5° AOI
- Ideal for <100fs Pulse Compression of Thulium and Holmium Lasers
- Broadband Ultrafast Chirped Coating

UltraFast Innovations (UFI) 2 μm Highly-Dispersive Broadband Ultrafast Mirrors feature an ultrafast chirped coating and are designed for pulse compression of Thulium (Tm) and Holmium (Ho) lasers, as well as for intracavity dispersion compensation. These mirrors have a high negative group delay dispersion (GDD) of -1000fs^2 at a 5° angle of incidence (AOI), allowing for pulse compression <100fs. With low loss reflectance >99.9% (P-polarization) between 2000 - 2200nm, these 2 micron mirrors have an absolute reflectance reaching >99.95%. UFI 2 μm Highly-Dispersive Broadband Ultrafast Mirrors are ideal for use inside 2 μm thin-disk laser oscillators due to their excellent spectral performance, low loss, and proven GDD. These highly-dispersive mirrors are available in two standard sizes of 12.7mm and 25.4mm diameters and are ideal for integration into femtosecond laser systems.

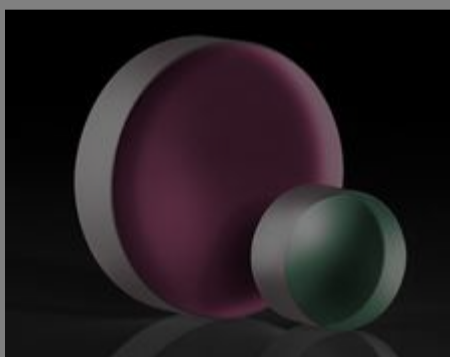
Technical Information

Related Products



#12-335 - 25.4mm Dia. 7°, 1030nm
Highly-Dispersive Ultrafast Mirror
€692,00

Qty



#12-331 - 25.4mm Dia. 5°, 800nm
Highly-Dispersive Ultrafast Mirror
€612,00

Qty



#58-851 - 25.0/25.4mm Optic Dia.,
Kinematic Mount, 2-Screws
€98,50

Qty

Frequently Purchased Together

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#88-248 - 12.5 x 12.5mm, 7-15µm, High Contrast IR Wire Grid Polarizer
€1.095,00

Qty

Beam Expander
€635,00

Qty

Beam Expander
€635,00




























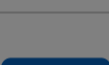


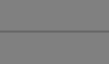


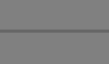


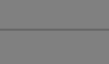
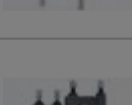

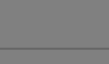
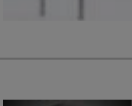







Qty

#37-196 - 5X, Protected Aluminum Canopus® Reflective Beam Expander
€635,00

Qty

Compatible Mounts

	Title	Type	Compare	Stock Number	Price	Buy
MORE+	25.4mm Optic Dia., Thin Mirror Mount, M4	Fixed		#13-590	€20,00 Request Quote	20+ In Stock <input type="text" value="1"/>
MORE+	25.4mm Optic Dia., Thin Mirror Mount, 8-32	Fixed		#13-591	€21,00 Request Quote	2 In Stock <input type="text" value="1"/>
MORE+	25.0/25.4mm Optic Dia., SM1 Thin Mount, M4	Fixed		#13-787	€21,00 Request Quote	9 In Stock <input type="text" value="1"/>
MORE+	25.0/25.4mm Optic Dia., SM1 Thin Mount, 8-32	Fixed		#13-788	€21,00 Request Quote	20+ In Stock <input type="text" value="1"/>
MORE+	25.4mm Optic Dia., 10mm Max Optic Thickness, Optic Mount	Fixed		#64-561	€32,75 Request Quote	20+ In Stock <input type="text" value="1"/>
MORE+	25.4mm Optic Dia., 13mm Max Optic Thickness, Optic Mount	Fixed		#64-562	€32,75 Request Quote	20+ In Stock <input type="text" value="1"/>
MORE+	25.0/25.4mm Optic Dia., E-Series Kinematic Mount	Adjustable - Tip-Tilt		#15-866	€43,50 Request Quote	10 In Stock <input type="text" value="1"/>
MORE+	2.0 - 35.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-668	€63,00 Request Quote	20+ In Stock <input type="text" value="1"/>
MORE+	25.0/25.4mm Optic Dia., L-Slot Direct Mount	Fixed		#36-410	€68,00 Request Quote	15 In Stock <input type="text" value="1"/>
MORE+	25.0/25.4mm Optic Dia., Side Flange Direct Mount	Fixed		#36-414	€71,00 Request Quote	20+ In Stock <input type="text" value="1"/>
MORE+	9.5 - 73.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#36-605	€83,00 Request Quote	20+ In Stock <input type="text" value="1"/>
MORE+	25.0/25.4mm Optic Dia., Optical Cell Assembly	Fixed		#36-461 CLEARANCE	€95,95 Request Quote	2 In Stock <input type="text" value="1"/>
MORE+	25.0/25.4mm Optic Dia., Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#58-851	€98,50 Request Quote	CONTACT US <input type="text" value="1"/>

	Title	Type	Compare	Stock Number	Price	Buy
	 25.0/25.4mm Optic Dia., L-Slot and Rotation Direction Mount				€102,00	5 In Stock <input type="text" value="1"/> 
	 7.0 - 40.0mm Optic Height, English Bar-Type Optic Holder					20+ In Stock <input type="text" value="1"/> 
	 25.0/25.4mm Optic Dia., Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#58-854	€107,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
	 10.0 - 60.0mm Optic Height, Metric Bar-Type Optic Holder	Fixed		#55-530	€108,00 Request Quote	CONTACT US <input type="text" value="1"/> 
	 19.5 - 108.0mm Optic Dia., Three-Screw Adjustable Ring Mount	Fixed		#03-670	€114,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
	 7.0 - 67.0mm Optic Height, English Bar-Type Optic Holder	Fixed		#03-669	€116,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
	 8.0 - 118.0mm Optic Height, English Bar-Type Optic Holder	Fixed		#03-666	€120,00 Request Quote	20+ In Stock <input type="text" value="1"/> 
	 4.0 - 36.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-077	€157,00 Request Quote	5 In Stock <input type="text" value="1"/> 
	 25.0/25.4mm Optic Dia., Stainless Steel Kinematic Mount, 2-Screws	Adjustable - Tip-Tilt		#26-815	€161,00 Request Quote	4 In Stock <input type="text" value="1"/> 
	 25.0/25.4mm Optic Dia., Stainless Steel Kinematic Mount, 3-Screws	Adjustable - Tip-Tilt		#26-818	€182,00 Request Quote	9 In Stock <input type="text" value="1"/> 
	 25.0/25.4mm Optic Dia., X-Y Translating Optic Mount	Adjustable - Linear (XY)		#62-956	€276,00 Request Quote	CONTACT US <input type="text" value="1"/> 
	 25.0/25.4mm Optic Dia., Kinematic Mirror Mount	Adjustable - Tip-Tilt		#55-003	€336,00 Request Quote	14 In Stock <input type="text" value="1"/> 
	 25.0/25.4mm Optic Dia., Kinematic Mirror Mount with Micrometer	Adjustable - Tip-Tilt		#55-456	€361,00 Request Quote	3 In Stock <input type="text" value="1"/> 
	 5.0 - 100.0mm Optic Dia., Self-Centering Jaw Clamp	Fixed		#16-078	€410,00 Request Quote	CONTACT US <input type="text" value="1"/> 
	 25.0/25.4mm Optic Dia., X-Y-Z Translating Optic Mount	Adjustable - Linear (XYZ)		#62-959	€540,00 Request Quote	6 In Stock <input type="text" value="1"/> 
	 25.0/25.4mm Optic Dia., 5 Axes Optical Mount	Adjustable - Linear (XYZ) & Tip-Tilt		#13-776	€755,00 Request Quote	2 In Stock <input type="text" value="1"/> 

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