

TECHSPEC[®] 800-1150nm, 25.4mm Dia. x 75mm EFL, Ultrafast-Enhanced Silver Concave Mirror



TECHSPEC[®] Ultrafast-Enhanced Silver Concave Laser Mirrors

Stock **#17-269** **5 In Stock**

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1

+

₹13,235

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Volume Pricing	
Qty 1-5	₹13,235 each
Qty 6-9	₹11,678 each
Qty 10+	₹10,432 each
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Product Downloads

General	
Concave Mirror	Type:
Physical & Mechanical Properties	
25.40 +0.00/-0.2	Diameter (mm):
>90	Clear Aperture (%):

6.35 ±0.10		Edge Thickness ET (mm):
Optical Properties		
Ultrafast-Enhanced Silver		Coating Type:
Ultrafast-Enhanced Silver (800-1150nm)		Coating:
800 - 1150		Wavelength Range (nm):
75.00		Effective Focal Length EFL (mm):
Fused Silica (Corning 7980)		Substrate: □
R _{avg} >99% @ 850 - 1100nm, 0° R _s >99% @ 800 - 1150nm, 45° R _p >98.5% @ 850 - 1100nm, 45°		Coating Specification:
20-10		Surface Quality:
0.35 J/cm ² @ 1030nm, 200fs, 1 pulse (typical) 0.10 J/cm ² @ 1030nm, 200fs, 100Hz, 1000 pulses (typical)		Damage Threshold, Reference: □
0 ±30 fs ² @ 800 - 1150nm		GDD Specification:
λ/10		Irregularity (P-V) @ 632.8nm:
150.00		Radius of Curvature (mm):
λ		Power (P-V) @ 632.8nm:

Regulatory Compliance	
View	Certificate of Conformance:
United States	Country of Origin:
Edmund Optics India Private Limited	Imported By:

Product Details

• Ideal for Focusing Ti:sapphire and Yb:doped Laser Pulses

• Reflectivity >99% at 600 – 1000nm or 800 – 1150nm

• Low Group Delay Dispersion as Low as 0 ±20fs²

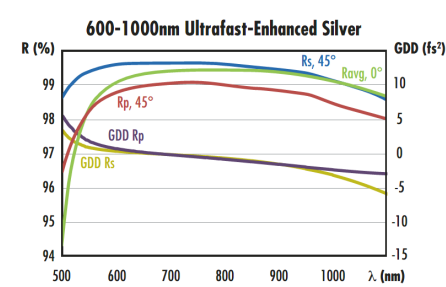
• Effective Focal Lengths from 25 to 500mm

• **TECHSPEC® Ultrafast-Enhanced Silver Laser Mirrors** Available

TECHSPEC® Ultrafast-Enhanced Silver Concave Laser Mirrors feature silver coatings that are enhanced with a dielectric coating to provide increased reflectivity at 600 – 1000nm or 800 – 1150nm. These mirrors have an intrinsically low group delay dispersion (GDD) across their wavelength range, making them ideal for focusing or redirecting laser light from femtosecond lasers such as Ti:sapphire and Yb:doped lasers. Their broad wavelength range allows them to be used in applications that require a larger bandwidth than dielectric coated low GDD mirrors can provide. TECHSPEC® Ultrafast-Enhanced Silver Concave Laser Mirrors are available in standard imperial sizes and with effective focal lengths up to 500mm.

Note: TECHSPEC® Ultrafast-Enhanced Silver Concave Laser Mirrors can be designed with different wavelength ranges for other ultrafast laser types.

Technical Information



600-1000nm Ultrafast-Enhanced Silver



800-1150nm Ultrafast-Enhanced Silver

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](#).