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TECHSPEC® 12.7mm Dia. x 500mm ROC, Uncoated, Concave Laser Mirror



TECHSPEC Uncoated Concave Mirrors

Stock #27-595 **NEW** 5 In Stock

⊖ 1 ⊕ A\$172⁰⁰

ADD TO CART

Volume Pricing	
Qty 1-5	A\$172.80 each
Qty 6-25	A\$163.20 each
Qty 26+	A\$157.60 each
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Product Downloads

General

Concave Mirror **Type:**

Physical & Mechanical Properties

12.70 +0.00/-0.12 **Diameter (mm):**

Commercial Polish **Back Surface:**

Center Thickness CT (mm):

5.96

Clear Aperture (%):

90

Edge Thickness ET (mm):

6.00 ±0.2

Optical Properties

Coating:

Uncoated

Effective Focal Length EFL (mm):

250.00

Substrate:

[Fused Silica](#) (Coming 7980)

Radius R₁ (mm):

500.00

Surface Quality:

20-10

Irregularity (P-V) @ 632.8nm:

λ/10

Radius of Curvature (mm):

500.00

Regulatory Compliance

RoHS 2015:

[Compliant](#)

Certificate of Conformance:

[View](#)

Reach 253:

[Compliant](#)

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

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

Product Details

- High Precision Fused Silica Mirror Substrates
- Large Selection of Diameters and Focal Lengths
- Custom Coating Options Available

TECHSPEC® Uncoated Concave Laser Mirrors offer high precision 20-10 surface quality ideal for laser beam focusing applications. Featuring fused silica substrates, these concave mirrors are resistant to thermal shock and are available in focal lengths from 25mm to 500mm. TECHSPEC Uncoated Concave Laser Mirrors are ideal for applications in environments with temperature fluctuations. Custom coating options including protected metal coatings and dielectric mirror coatings are available.