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TECHSPEC® 12.7mm Dia., 6.35mm Thick, 1080nm, M/10 Fused Silica Window



TECHSPEC M/10 Laser Line Coated Windows

Stock #11-397 **17 In Stock**

⊖ 1 ⊕ MRP ₹14,831

📌 Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹14,831 each
Qty 6-25	₹11,905 each
Qty 26-49	₹11,098 each
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Product Downloads

General

Laser Line Window **Type:**

Glass **Type of Window:**

Physical & Mechanical Properties

Thickness (mm):

6.35 ±0.20

Clear Aperture CA (mm):

11.43

Diameter (mm):

12.70 +0.00/-0.10

Clear Aperture (%):

90

Parallelism (arcmin):

<3

Bevel:

Protective as needed

Edges:

Fine Ground

Optical Properties

Substrate:

Fused Silica (Corning 7980)

Index of Refraction (n_d):

1.458

Surface Quality:

10-5

Angle of Incidence (°):

0

Coating:

Laser V-Coat (1080nm)

Design Wavelength DWL (nm):

1080

Abbe Number (v_d):

67.8

Surface Flatness (P-V):

λ/10

Coating Specification:

R_{abs} <0.25% @ 1080nm

Damage Threshold, By Design:

15 J/cm² @ 1080nm, 20ns, 20Hz

Damage Threshold, Pulsed:

15 J/cm² @ 1080nm, 20ns, 20Hz

Material Properties

Fused Silica Grade:

7980 0F

Regulatory Compliance

RoHS 2015:

Compliant

Reach 209:

Compliant

Certificate of Conformance:

[View](#)

Country of Origin:

Singapore

Imported By:

Edmund Optics India Private Limited
267, Greystone Building, Second Floor,
6th Cross Rd, Binnamangala,
Stage 1, Indiranagar, Bengaluru,
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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

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

Product Details

- 10-5 Surface Quality
- Damage Thresholds at Design Wavelengths
- Diameters from 12.5 to 76.2mm Available

- [Uncoated Substrates Available](#)

TECHSPEC® M10 Laser Line Coated Windows are designed for direct integration into laser applications. This robust product family features common imperial sizes, many of which offer multiple thickness options. Anti-reflection coatings are available at common laser wavelengths, minimizing surface reflection for optimal system transmission. TECHSPEC M10 Laser Line Coated Windows provide laser grade specifications including M10 surface flatness, 10-5 surface quality, and <3 arcmin parallelism. These windows are ideal for industrial laser applications ranging from protective coverings to separating various environments.

Technical Information



Compatible Mounts