

TECHSPEC[®] 532, 1064nm, 50.8mm, Dual-Band AR Fused Silica Window



Stock #17-589 17 In Stock

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1

+

S\$389^{.20}

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Volume Pricing	
Qty 1-5	S\$389.20 each
Qty 6-25	S\$312.20 each
Qty 26-49	S\$292.60 each
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General

Laser Line Window

Type:

Physical & Mechanical Properties

45.72

Clear Aperture CA (mm):

50.80 +0.00/-0.10

Diameter (mm):

6.35 ±0.20	Thickness (mm):
<3	Parallelism (arcmin):
Fine Ground	Edges:
Optical Properties	
0	Angle of Incidence (°):
Dual-Band (532, 1064nm)	Coating:
532, 1064	Design Wavelength DWL (nm):
Fused Silica (Corning 7980)	Substrate: ☐
10-5	Surface Quality:
R _{abs} <0.25% @ 532nm, R _{abs} <0.10% @ 1064nm	Coating Specification:
λ/10	Surface Flatness (P-V):
5J/cm ² @ 532nm, 20ns, 20Hz, 15J/cm ² @ 1064nm, 20ns, 20Hz	Damage Threshold, By Design:
Material Properties	
7980 0F	Fused Silica Grade:
Regulatory Compliance	
View	Certificate of Conformance:

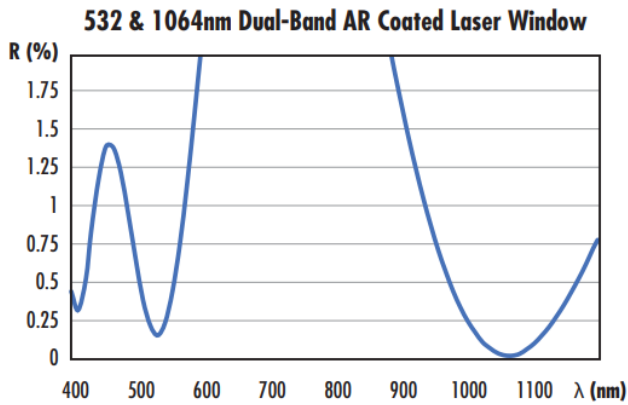
Product Details

- 532 and 1064nm Dual-Band Anti-Reflection Coating
- 10-5 Surface Quality and λ/10 Surface Flatness
- Ideal for Nd:YAG Laser Systems
- [Uncoated Laser Window Substrates](#) Available

TECHSPEC® Dual-Band Anti-Reflection (AR) Laser Windows provide high performance AR coatings designed to be used in multi-wavelength laser applications. The anti-reflection coatings on both surfaces feature <0.25% reflection at 532nm and <0.1% reflection at 1064nm, significantly increasing laser throughput. These laser windows feature excellent thermal stability, precision grade λ/10 surface flatness, and 10-5 surface quality, ensuring minimal distortion to transmitted beams. TECHSPEC® Dual-Band Anti-Reflection (AR) Laser Windows are available in standard imperial sizes for convenient integration into existing laser systems and are ideal for Nd:YAG applications including those used in aesthetic laser systems. [Contact us](#) if your application requires a custom coating or design.

Note: Damage thresholds values are tested independently.

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](#).

