

TECHSPEC<sup>®</sup> 532, 1064nm, 50.8mm, Dual-Band AR Fused Silica Window



Stock #17-589 17 In Stock

-

1

+

C\$389<sup>.20</sup>

ADD TO CART

| Volume Pricing |                               |
|----------------|-------------------------------|
| Qty 1-5        | C\$389.20 each                |
| Qty 6-25       | C\$312.20 each                |
| Qty 26-49      | C\$292.60 each                |
| Need More?     | <a href="#">Request Quote</a> |

Product Downloads

General

Type:  
Laser Line Window

Physical & Mechanical Properties

Clear Aperture CA (mm):  
45.72

Diameter (mm):  
50.80 +0.00/-0.10

|                                                                      |                                     |
|----------------------------------------------------------------------|-------------------------------------|
| 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: <input type="checkbox"/> |
| 10-5                                                                 | Surface Quality:                    |
| R <sub>abs</sub> <0.25% @ 532nm,<br>R <sub>abs</sub> <0.10% @ 1064nm | Coating Specification:              |
| λ/10                                                                 | Surface Flatness (P-V):             |
| 5J/cm² @ 532nm, 20ns, 20Hz, 15J/cm² @ 1064nm, 20ns, 20Hz             | Damage Threshold, By Design:        |
| Material Properties                                                  |                                     |
| 7980 0F                                                              | Fused Silica Grade:                 |
| Regulatory Compliance                                                |                                     |
| <a href="#">View</a>                                                 | Certificate of Conformance:         |

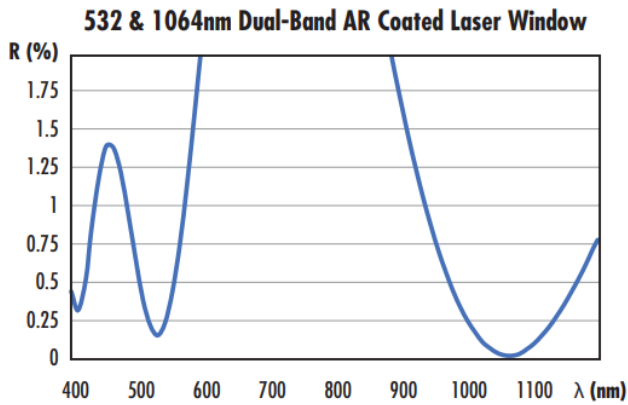
## Product Details

- 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](#).

