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TECHSPEC® 50.8mm Dia., 515nm, $\lambda/10$ Ultra-Low Reflectivity Window



$\lambda/10$ Ultra-Low Reflectivity Windows

Stock #11-258 **CLEARANCE** 17 In Stock

⊖ 1 ⊕ ₹17,396

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Qty 1+	₹17,396 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):**

9.53 ±0.20 **Thickness (mm):**

<3	Parallelism (arcmin):
Protective as needed	Bevel:
90	Clear Aperture (%):
Fine Ground	Edges:
0.16	Poisson's Ratio:
73	Young's Modulus (GPa):
522.00	Knoop Hardness (kg/mm²):

Optical Properties

0	Angle of Incidence (°):
Laser Ultra V-Coat (515nm)	Coating:
515	Design Wavelength DWL (nm):
Fused Silica (Corning 7980)	Substrate: <input type="checkbox"/>
1.458	Index of Refraction (n_d):
10-5	Surface Quality:
67.8	Abbe Number (v_d):
R _{abs} <0.10% @ 515nm	Coating Specification:
λ/10	Surface Flatness (P-V):
10 J/cm ² @ 515nm, 20ns, 20Hz	Damage Threshold, By Design:

Material Properties

2.20	Density (g/cm³):
0.52 (+5 to +35°C) 0.57 (0 to +200°C) 0.48 (-100 to +200°C)	Coefficient of Thermal Expansion CTE (10⁻⁶/°C):
7980 0F	Fused Silica Grade:

Regulatory Compliance

Compliant	RoHS 2015:
Compliant	Reach 219:
View	Certificate of Conformance:
United States	Country of Origin:
Edmund Optics India Private Limited	Imported By:

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](#).

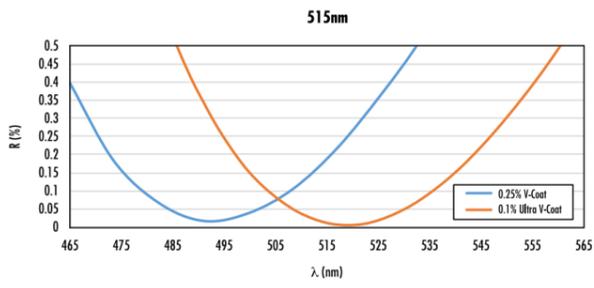
Product Details

- <0.1% Reflectivity Laser Line Coatings

- Nd:YAG and Yb:YAG Wavelength Options
- Reduce Typical Laser System Losses by 3% (Compared to a 0.25% Specified System with 10 Transmissive Optics)
- Increased Transmission Reduces Back Reflections, Ghost Images, and Stray Light

TECHSPEC® *N*/10 Ultra-Low Reflectivity Windows feature anti-reflection coatings with reflection lower than 0.1% at the design wavelength. These windows feature high quality fused silica substrates with *N*/10 surface flatness and 10-5 surface quality to minimize scatter. With ultra-low reflectivity and high damage thresholds, these windows are ideal for integration into laser systems to virtually eliminate surface reflections. TECHSPEC *N*/10 Ultra-Low Reflectivity Windows are available in a range of laser V-Coats from 266nm to 1064nm for compatibility with Nd:YAG and Yb:YAG laser sources. Imperial diameter sizes from 12.7mm to 50.8mm are available.

Technical Information



Compatible Mounts