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TECHSPEC[®] 25mm Dia. x 75mm EFL, 355nm V-Coat, Precision Laser Aspheric Lens



Stock #23-868 2 In Stock

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1

+

€693^{.00}

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Volume Pricing	
Qty 1-5	€693,00 each
Qty 6-25	€589,00 each
Qty 26-49	€519,00 each
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ⓘ Prices shown are exclusive of VAT/local taxes

Product Downloads

Physical & Mechanical Properties	
25.00 +0.000 / -0.025	Diameter (mm):
22.5	Clear Aperture CA (mm):
3.78	Edge Thickness ET (mm):
	Center Thickness CT (mm):

5.50 +0.000 / -0.10	
Protective as needed	
Bevel:	
Plano	
Shape of Back Surface:	
Optical Properties	
Effective Focal Length EFL (mm):	
75.00 @ 355nm	
Numerical Aperture NA:	
0.16	
Back Focal Length BFL (mm):	
70.9	
Substrate: ☐	
Fused Silica	
Asphere Figure Error, RMS @ 632.8nm:	
λ/2 RMS and 2.5λ PV	
Coating:	
355 V-Coat	
Coating Specification:	
R _{abs} <0.25% @ 355nm @ 0° AOI	
Surface Quality:	
20-10	
f/#:	
1.5	
Conjugate Distance:	
Infinite	
Damage Threshold, By Design: ☐	
7.5 J/cm ² @ 355nm, 20ns, 20Hz	
Slope Error Aspheric Side:	
0.35μm/mm per 1mm Window	
Beam Deviation @ 587.6nm (arcmin):	
<2.5	
Power (diopters):	
13.33	

Regulatory Compliance	
RoHS 2015:	
Compliant	
Certificate of Conformance:	
View	
Reach 235:	
Compliant	

Product Details

- Diffraction Limited at Designed Nd:YAG Laser Wavelengths
 - Laser Damage Designed Coatings on UV Fused Silica Substrates
 - Specified Slope Error to Guarantee Low Mid-Spatial Frequency Errors
 - [High Precision Laser Grade Aspheric Lenses](#) are also Available
- TECHSPEC® Precision Laser Aspheric Lenses are designed to maximize performance in high power laser applications. Featuring diffraction limited performance at their designed wavelengths these aspheric lenses are available with high laser damage threshold coatings optimized at the most common Nd:YAG laser wavelengths. With a λ/2 aspheric surface figure and 0.35μm/mm slope error, TECHSPEC® Precision Laser Aspheric Lenses minimize the mid-spatial frequency (MSF) errors and are ideal for integration into demanding laser processing, cutting, and additive manufacturing applications. Featuring UV fused silica substrates, these aspheres are highly durable and resistant to thermal expansion.