

TECHSPEC[®] 25mm Dia x 25mm FL BBAR (1650-3000nm) Coated, Si Aspheric Lens



Stock #24-289 5 In Stock

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1

+

₹50,603

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Volume Pricing	
Qty 1-5	₹50,603 each
Qty 6+	₹40,482 each
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Product Downloads

Physical & Mechanical Properties	
25.00 +0.00/-0.10	Diameter (mm):
≤10	Centering (arcmin):
<21.8	Centering, ETD (μm):
22.5	Clear Aperture CA (mm):
	Edge Thickness ET (mm):

2.44	
	Center Thickness CT (mm):
3.80 ±0.10	
	Bevel:
Protective as needed	
	Edges:
Diamond Turned	

	Shape of Back Surface:
Concave	

Optical Properties

	Effective Focal Length EFL (mm):
25.00 @ 4000nm	
	Numerical Aperture NA:
0.50	

	Back Focal Length BFL (mm):
22.50	
	Substrate:
Silicon (Si)	

	Asphere Figure Error, RMS @ 632.8nm:
λ/6	
	Coating:
BBAR (1650-3000nm)	

	Coating Specification:
R _{avg} <1% @ 1650 - 3000nm R _{abs} <2% @ 1650 - 3000nm	
	Surface Accuracy, P-V (μm):
<0.3	

	Surface Quality:
60-40	
	f/#:
1.00	

	Radius R ₂ (mm):
43.582	
	Wavelength Range (nm):
1650 - 3000	

	Conjugate Distance:
Infinite	

Regulatory Compliance

	RoHS 2015:
Compliant	
	Certificate of Conformance:
View	

	Reach 235:
Compliant	
	Country of Origin:
United States	
	Imported By:
Edmund Optics India Private Limited	

Product Details

- Diffraction-Limited Performance
 - Low Density and Dispersion
 - Ideal for Weight Sensitive IR Applications
 - Available with BBAR (1650-3000nm) or Mid-Wave Infrared (3000-5000nm) AR Coatings
- TECHSPEC® Silicon Aspheric Lenses are high performance, lightweight solutions for BBAR and Mid-Wave Infrared (MMIR) applications and are ideal alternatives for costly ZnSe lenses and brittle Germanium lenses. These lenses are available with efficient broadband AR coatings for the BBAR (1650-3000nm) or MMIR (3000-5000nm) spectral regions. TECHSPEC Silicon Aspheric Lenses feature the mechanical and thermal properties required to withstand many of the effects of harsh environments including fluctuations in temperature and pressure. Because silicon is a low density material, these lenses are also ideal for weight-sensitive systems, such as those found in many defense applications.