

TECHSPEC[®] 25mm Dia x 50mm FL BBAR (1650-3000nm) Coated, Si Aspheric Lens



Stock #24-290 5 In Stock

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+

€710^{,00}

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Volume Pricing	
Qty 1-5	€710,00 each
Qty 6+	€570,00 each
Need More?	Request Quote

Prices shown are exclusive of VAT/local taxes

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):

2.3	Edge Thickness ET (mm):
3.00 ±0.10	Center Thickness CT (mm):
Protective as needed	Bevel:
Diamond Turned	Edges:

Concave	Shape of Back Surface:
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Optical Properties

50.00 @4000nm	Effective Focal Length EFL (mm):
0.25	Numerical Aperture NA:

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

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

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

60-40	Surface Quality:
2.00	f/#:

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

Infinite	Conjugate Distance:
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Regulatory Compliance

Compliant	RoHS 2015:
View	Certificate of Conformance:

Compliant	Reach 235:
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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.