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TECHSPEC® 1mm Dia. x 1.5mm FL, MgF₂ Coated, Achromatic Doublet Lens



MgF₂ Coated Achromatic Lenses



Stock #65-564 **20+ In Stock**

1 MRP ₹26,231

Price inclusive of all taxes

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Volume Pricing	
Qty 1-5	₹26,231 each
Qty 6-25	₹20,985 each
Qty 26-49	₹19,674 each
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General

Achromatic Lens **Type:**

Physical & Mechanical Properties

Diameter (mm):

1.00 +0.0/-0.025	
0.5	Clear Aperture CA (mm):
30-45	Centering (arcmin):
1.00 ±0.10	Center Thickness CT (mm):
0.50 ±0.05	Center Thickness CT 1 (mm):
0.50 ±0.05	Center Thickness CT 2 (mm):
0.80	Edge Thickness ET (mm):
Protective as needed	Bevel:

Optical Properties

1.50	Effective Focal Length EFL (mm):
±2	Focal Length Tolerance (%):
0.92	Back Focal Length BFL (mm):
587.6	Focal Length Specification Wavelength (nm):
0.80	Radius R₁ (mm):
-0.80	Radius R₂ (mm):
-4.50	Radius R₃ (mm):
N-PSK53A / N-LASP9	Substrate: <input type="checkbox"/>
20-10	Surface Quality:
1.5	f#:
0.33	Numerical Aperture NA:
MgF ₂ (400-700nm)	Coating:
R _{avg} ≤1.75% @400 - 700nm	Coating Specification:
1.5λ	Power (P-V) @ 632.8nm:
M4	Irregularity (P-V) @ 632.8nm:
400 - 700	Wavelength Range (nm):

Regulatory Compliance

Compliant	RoHS 2015:
Compliant	Reach 224:
View	Certificate of Conformance:
Japan	Country of Origin:
Edmund Optics India Private Limited 267, Greystone Building, Second Floor, 6th Cross Rd, Binnamangala, Stage 1, Indiranagar, Bengaluru, Karnataka, India 560038 Phone: +91- 80-6845 0000	Imported By:

Product Details

- Designed for 0° Angle of Incidence
- Less Than 1.75% Reflectance Per Surface @400 - 700nm
- [VIS 0°](#) and [VIS-NIR](#) Coated Achromats Also Available

TECHSPEC® MgF₂ Coated Achromatic Lenses consist of two optical components cemented together to form an achromatic doublet which is computer optimized to correct for on-axis spherical and chromatic aberrations. These lenses feature a single layer of MgF₂ which provides less than 1.75% reflectivity from 400 – 700nm. TECHSPEC MgF₂ Coated Achromatic Lenses are best for applications involving multi-color (white light) imaging due to their specific doublet lens pairing that enables them to correct the color separation inherent in glass. Having eliminated the problematic chromatic aberrations, achromatic doublet lenses become the most cost-efficient means for polychromatic

Technical Information



Coating Curves

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