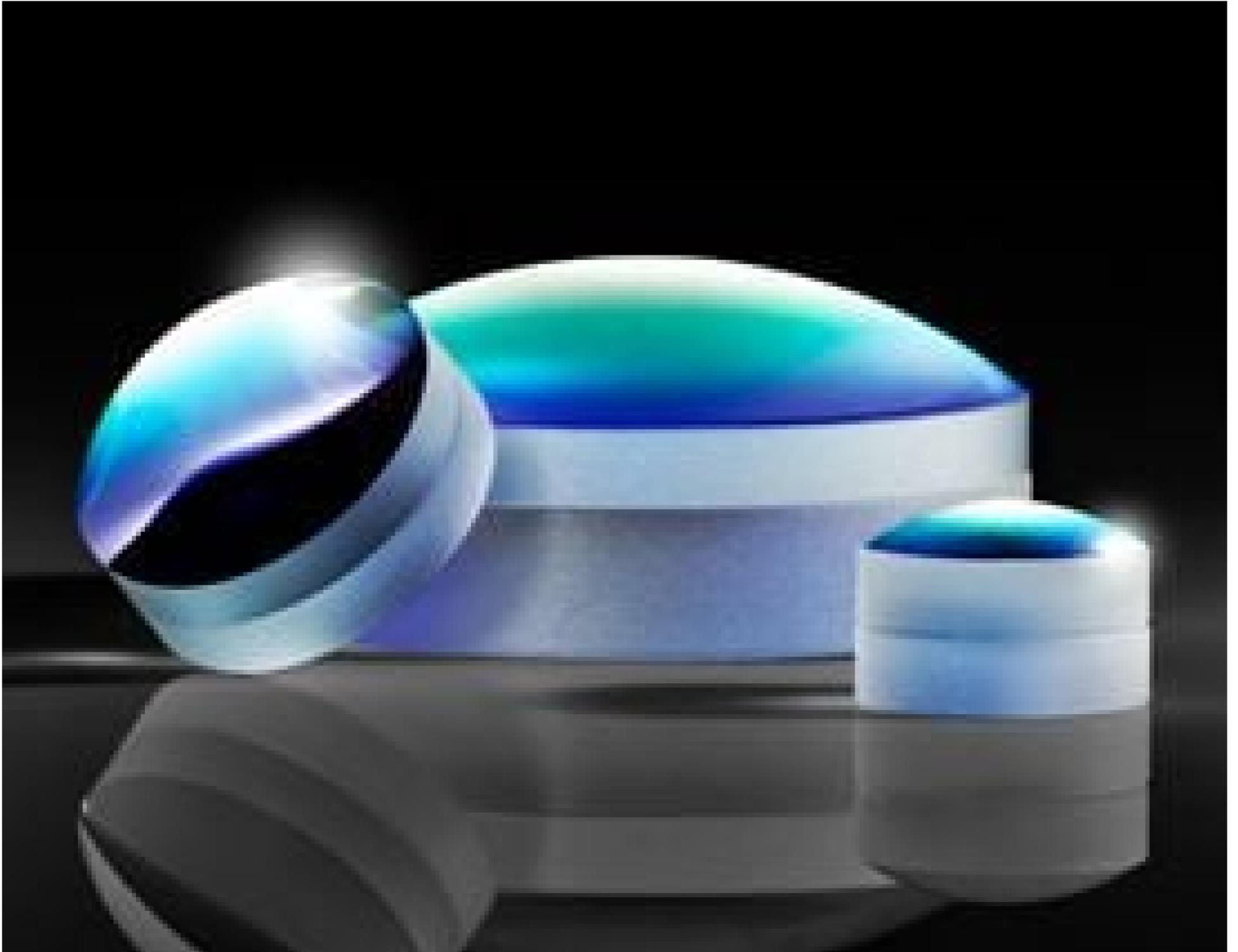
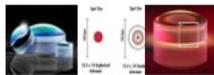


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**TECHSPEC® 25mm Diameter x 50mm EFL Aspherized Achromatic Lens**



Aspherized Achromatic Lenses



Stock **#49-665** **20+ In Stock**

⊖ 1 ⊕ ₹12,218

📌 Price inclusive of all taxes

**ADD TO CART**

Volume Pricing	
Qty 1-5	₹12,218 each
Qty 6-25	₹9,737 each
Qty 26-49	₹8,956 each
Need More?	<a href="#">Request Quote</a>

Product Downloads

**General**

**Note:**  
 VIS0° Coating on First Surface, Second Surface is Aspheric Polymer

**Type:**  
 Achromatic Lens

## Physical & Mechanical Properties

25.00 +0.00/-0.05 **Diameter (mm):**

23.00 **Clear Aperture CA (mm):**

≤5 **Centering (arcmin):**

11.58 **Center Thickness CT (mm):**

9.00 **Center Thickness CT 1 (mm):**

2.58 **Center Thickness CT 2 (mm):**

7.42 **Edge Thickness ET (mm):**

## Optical Properties

50.00 **Effective Focal Length EFL (mm):**

44.12 **Back Focal Length BFL (mm):**

587.6 **Focal Length Specification Wavelength (nm):**

28.50 **Radius R<sub>1</sub> (mm):**

31.00 **Radius R<sub>2</sub> (mm):**

63.00 **Radius R<sub>3</sub> (mm):**

**Substrate:**   
[S-FSL5 / S-TIH13](#)

**Surface Quality:**  
60-40, glass surface  
80-50, polymer surface

2.00 **f/#:**

0.25 **Numerical Aperture NA:**

VIS 0° (425-675nm) **Coating:**

R<sub>avg</sub> ≤0.4% @425 - 675nm **Coating Specification:**

425 - 675 **Wavelength Range (nm):**

## Environmental & Durability Factors

-20°C to 80°C **Operating Temperature (°C):**

## Regulatory Compliance

[Compliant](#) **RoHS 2015:**

[Compliant](#) **Reach 219:**

[View](#) **Certificate of Conformance:**

Japan **Country of Origin:**

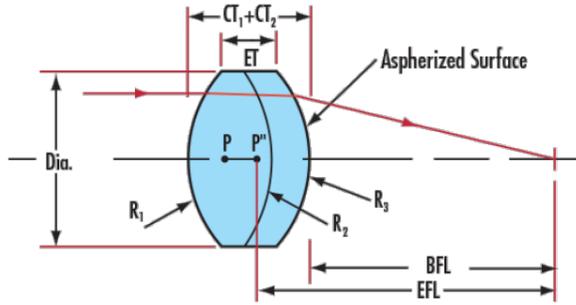
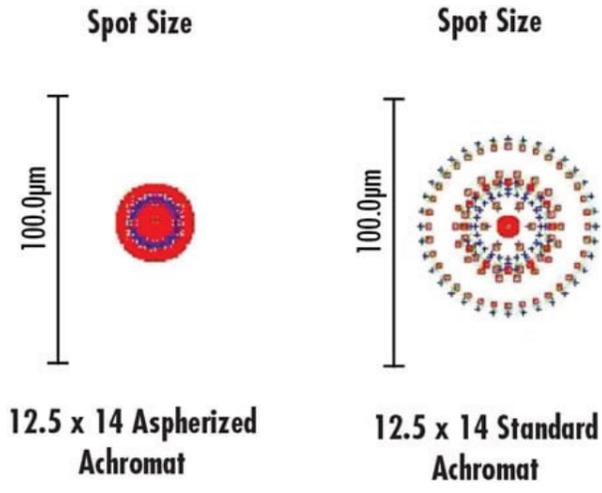
**Imported By:**  
Edmund Optics India Private Limited  
267, Greystone Building, Second Floor,  
6th Cross Rd, Binnamangala,  
Stage 1, Indiranagar, Bengaluru,  
Karnataka, India 560038  
Phone: +91- 80-6845 0000

## Product Details

- Unique Innovative Design, Low Cost, Color-Corrected Asphere
- Better Color Correction than Standard Achromatic Lenses
- Similar Spherical Aberration Correction to Machined Aspheres
- Prescription Information Available

TECHSPEC® Aspherized Achromats bridge the gap between color-corrected achromats and spherical aberration-corrected aspheres. This unique design results in a cost-effective, color-corrected aspheric component. The doublet lenses consist of two cemented elements matched for their color-correction ability and small RMS spot size. The second surface of the doublet is fused with a molded polymer aspheric surface. These molds create a stable aspheric contour, removing or reducing wavefront errors present in typical achromats while boosting numerical aperture. TECHSPEC Aspherized Achromats' typical applications include fiber optic focusing or collimation, image relay, inspection, scanning, and high numerical aperture imaging.

## Technical Information



CT: Center Thickness, ET: Edge Thickness, R: Radius, P: Principal Plane, BFL: Back Focal Length, EFL: Effective Focal Length

## Coating Curves

## Compatible Mounts