

# 18mm Dia. x 8.4mm FL, MgF<sub>2</sub> Molded Aspheric Condenser Lens



Molded Aspheric Condenser Lenses

Stock **#35-048** 10 TO 12 DAYS

[Other Coating Options](#)

- 1 + **₹3,698.00**

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| Qty 1-10                      |
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Diameter (mm):  
18.00 +/-0.3

Effective Focal Length EFL (mm):  
8.40 @ 587.6nm

Numerical Aperture NA:  
1.06

|                                                                                                                 |
|-----------------------------------------------------------------------------------------------------------------|
| <b>Back Focal Length BFL (mm):</b><br>4.50                                                                      |
| <b>Substrate:</b> <input type="checkbox"/><br>F4GT                                                              |
| <b>Focal Length Tolerance (%):</b><br>±5                                                                        |
| <b>Coating:</b><br>MgF <sub>2</sub> (400-700nm)                                                                 |
| <b>Coating Specification:</b><br>R <sub>avg</sub> ≤ 1.75% @ 400 - 700nm                                         |
| <b>Centering (arcmin):</b><br>≤25                                                                               |
| <b>Surface Quality:</b><br>Molded Side: 5/3 x 1.6<br>Polished Side: 5/3 x 1.6                                   |
| <b>Clear Aperture CA (mm):</b><br>14.40                                                                         |
| <b>Edge Thickness ET (mm):</b><br>2.8                                                                           |
| <b>Center Thickness CT (mm):</b><br>6.30 (nominal)                                                              |
| <b>f/#:</b><br>0.47                                                                                             |
| <b>Bevel:</b><br>Protective bevel as needed                                                                     |
| <b>Diameter of Asphere (mm):</b><br>15.0                                                                        |
| <b>Radius R<sub>2</sub> (mm):</b><br>Plano                                                                      |
| <b>Shape of Back Surface:</b><br>Plano                                                                          |
| <b>Type:</b><br>Condenser Lens                                                                                  |
| <b>Wavelength Range (nm):</b><br>400 - 700                                                                      |
| <b>Conjugate Distance:</b><br>Infinite                                                                          |
| <b>Note:</b><br><a href="#">Click here</a> for more information on the ISO 10110 surface quality specification. |

Regulatory Compliance

|                                                            |
|------------------------------------------------------------|
| <b>RoHS 2015:</b><br><a href="#">Compliant</a>             |
| <b>Certificate of Conformance:</b><br><a href="#">View</a> |
| <b>Reach 235:</b><br><a href="#">Compliant</a>             |