

# Richardson Gratings™ 300 Grooves, 25 x 25mm, 3μm, Plane Ruled Reflection Grating

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Richardson Gratings™ High Precision Plane Ruled Reflective Diffraction Gratings



Stock #15-773 3-4 DAYS

⊖ 1 ⊕

€168,00

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Qty 1+

€168,00

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Groove Density (grooves/mm):  
300

Wavelength Range (nm):  
1000 - 5000

Blaze Wavelength (nm):

|                                                           |
|-----------------------------------------------------------|
| 3000 ±25                                                  |
| <b>Blaze Angle (°):</b><br>26.7                           |
| <b>Peak Efficiency, Typical (%):</b><br>72 (2nd order)    |
| <b>Dimensions (mm):</b><br>25.0 x 25.0 ±0.1               |
| <b>Clear Aperture (%):</b><br>>90                         |
| <b>Coating:</b><br>Aluminium                              |
| <b>Construction:</b><br>Ruled Grating                     |
| <b>Length (mm):</b><br>25.00                              |
| <b>Substrate:</b> <input type="checkbox"/><br>Float Glass |
| <b>Thickness (mm):</b><br>6.00 ±0.5                       |
| <b>Type:</b><br>Reflective Diffraction Grating            |
| <b>Width (mm):</b><br>25.00                               |
| <b>Reflected Wavefront, RMS:</b><br>λ/4                   |
| <b>Centering of Ruled Area on Substrate (mm):</b><br>±1   |
| <b>Alignment of Grooves to Edge (°):</b><br>±0.15         |
| <b>Groove Spacing Tolerance (%):</b><br><0.05             |
| <b>Polarization:</b><br>S and P                           |
| <b>Master Reference:</b><br>1156                          |
| <b>Spectral Order (m):</b><br>1                           |

Regulatory Compliance

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