

Richardson Gratings™ 150 Grooves, 12.5 x 12.5mm, 300nm, Plane Ruled Reflection Grating

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Richardson Gratings™ High Precision Plane Ruled Reflective Diffraction Gratings



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Groove Density (grooves/mm):  
150

Wavelength Range (nm):

|                                                           |
|-----------------------------------------------------------|
| 200 - 900                                                 |
| <b>Blaze Wavelength (nm):</b><br>300 ±25                  |
| <b>Blaze Angle (°):</b><br>1.2                            |
| <b>Peak Efficiency, Typical (%):</b><br>61                |
| <b>Dimensions (mm):</b><br>12.5 x 12.5 ±0.1               |
| <b>Clear Aperture (%):</b><br>>90                         |
| <b>Coating:</b><br>Aluminium                              |
| <b>Construction:</b><br>Ruled Grating                     |
| <b>Length (mm):</b><br>12.50                              |
| <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>12.50                               |
| <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>Unpolarized                       |
| <b>Master Reference:</b><br>1524                          |
| <b>Spectral Order (m):</b><br>1                           |

Regulatory Compliance

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