

Richardson Gratings™ 300 Grooves, 12.5 x 25mm, 3μm, Plane Ruled Reflection Grating

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Richardson Gratings™ High Precision Plane Ruled Reflective Diffraction Gratings



Stock #15-774 3-4 DAYS

⊖ 1 ⊕

£129.20

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Qty 1+

£129.20

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Groove Density (grooves/mm):
300

Wavelength Range (nm):
1000 - 5000

Blaze Wavelength (nm):

3000 ±25
Blaze Angle (°): 26.7
Peak Efficiency, Typical (%): 72 (2nd order)
Dimensions (mm): 12.5 x 25.0 ±0.1
Clear Aperture (%): >90
Coating: Aluminium
Construction: Ruled Grating
Length (mm): 25.00
Substrate: ☐ Float Glass
Thickness (mm): 6.00 ±0.5
Type: Reflective Diffraction Grating
Width (mm): 12.50
Reflected Wavefront, RMS: $\lambda/4$
Centering of Ruled Area on Substrate (mm): ±1
Alignment of Grooves to Edge (°): ±0.15
Groove Spacing Tolerance (%): <0.05
Polarization: S and P
Master Reference: 1156
Spectral Order (m): 1

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View