

Richardson Gratings™ 400 Grooves, 12.5 x 12.5mm, 1300nm, 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):
400

Wavelength Range (nm):
800 - 1800

Blaze Wavelength (nm): 1300 ±25
Blaze Angle (°): 15
Peak Efficiency, Typical (%): 80
Dimensions (mm): 12.5 x 12.5 ±0.1
Clear Aperture (%): >90
Coating: Aluminium
Construction: Ruled Grating
Length (mm): 12.50
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: 0986
Spectral Order (m): 1

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View