

Richardson Gratings™ 600 Grooves, 12.7 x 12.7mm, 1000nm, 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):
600

Wavelength Range (nm):

700 - 1600
Blaze Wavelength (nm): 1000 ±25
Blaze Angle (°): 17.5
Peak Efficiency, Typical (%): 80
Dimensions (mm): 12.7 x 12.7 ±0.1
Clear Aperture (%): >90
Coating: Aluminium
Construction: Ruled Grating
Length (mm): 12.70
Substrate: ☐ Float Glass
Thickness (mm): 6.00 ±0.5
Type: Reflective Diffraction Grating
Width (mm): 12.70
Reflected Wavefront, RMS: λ/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: 3017
Spectral Order (m): 1

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View