

Coherent® LightSmyth™ 800nm, 1398.6 Grooves/mm, 12.7 x 12.7mm Transmission
Diffraction Grating

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LightSmyth™ Transmission Diffraction Gratings

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A\$728.00

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Groove Density (grooves/mm):
1398.6

Groove Density Uniformity (grooves/mm):
0.001

Design Wavelength DWL (nm):
800 ±20

Minimum Efficiency (%): ≥94 @ 800nm
Dimensions (mm): 12.70 x 12.70
Angle of Incidence (°): 34 ±1
Clear Aperture CA (mm): 11.70 x 11.70
Coating: Dielectric
Construction: Multi-Layer Dielectric Binary Etch Grating
Length (mm): 12.70
Model Number: 1304165
Substrate:  Fused Silica (Corning 7980)
Surface Quality: 60-40
Thickness (mm): 0.95 ±0.050
Type: Transmission Diffraction Grating
Width (mm): 12.70
Alignment of Grooves to Edge (°): 0.1 (typical)
Polarization: S and P
Note: S-Polarization defined with E-field parallel to the grating grooves

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View