

Coherent® LightSmyth™ 1030nm, 1739.13 Grooves/mm, 31.8 x 20.2mm Transmission Diffraction Grating

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LightSmyth™ Transmission Diffraction Gratings

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C\$1,687.00

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Groove Density (grooves/mm): 1739.13
Groove Density Uniformity (grooves/mm): 0.001
Design Wavelength DWL (nm): 1030 ±10

Minimum Efficiency (%): ≥94 @ 1030nm
Dimensions (mm): 31.80 x 20.20
Angle of Incidence (°): 63.6 ±1
Clear Aperture CA (mm): 30.80 x 19.20
Coating: Dielectric
Construction: Multi-Layer Dielectric Binary Etch Grating
Length (mm): 31.80
Model Number: 1379487
Substrate:  Fused Silica (Corning 7980)
Surface Quality: 60-40
Thickness (mm): 0.95 ±0.050
Type: Transmission Diffraction Grating
Width (mm): 20.20
Alignment of Grooves to Edge (°): 0.1 (typical)
Polarization: S
Note: S-Polarization defined with E-field parallel to the grating grooves

Regulatory Compliance

RoHS: Compliant
Certificate of Conformance: View