

Coherent® LightSmyth™ 800nm, 1398.6 Grooves/mm, 130 x 14.9mm Transmission Diffraction Grating

See More by [Coherent®](#)



LightSmyth™ Transmission Diffraction Gratings

Stock **#16-861** ☐ In Stock

-

1

+

C\$4,872.00

ADD TO CART

Qty 1+
C\$4,872.00
Volume Pricing
Request Quote

Get Product Downloads



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): 130.00 x 14.90
Angle of Incidence (°): 34 ±1
Clear Aperture CA (mm): 125.00 x 13.90
Coating: Dielectric
Construction: Multi-Layer Dielectric Binary Etch Grating
Length (mm): 130.00
Model Number: 1304166
Substrate:  Fused Silica (Corning 7980)
Surface Quality: 60-40
Thickness (mm): 0.95 ±0.050
Type: Transmission Diffraction Grating
Width (mm): 14.90
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