

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

See More by [Coherent®](#)



LightSmyth™ Transmission Diffraction Gratings

Stock #16-859 3-4 DAYS

-

1

+

£386.75

ADD TO CART

Qty 1+

£386.75

Volume Pricing

[Request Quote](#)

ⓘ Prices shown are exclusive of VAT/local taxes

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) : 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