

Coherent® LightSmyth™ 1040nm, 1000 Grooves/mm, 120 x 20mm Transmission
Diffraction Grating

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LightSmyth™ Transmission Diffraction Gratings

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1

+

£3,506.25

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Qty 1+

£3,506.25

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Groove Density (grooves/mm):
1000

Groove Density Uniformity (grooves/mm):
0.001

Design Wavelength DWL (nm):
1040 ±20

Minimum Efficiency (%) : ≥94 @ 1040nm
Dimensions (mm) : 120.00 x 20.00
Angle of Incidence (°) : 31.3 ±1
Clear Aperture CA (mm) : 115.00 x 18.00
Coating : Dielectric
Construction : Multi-Layer Dielectric Binary Etch Grating
Length (mm) : 120.00
Model Number : 1378053
Substrate :  Fused Silica (Corning 7980)
Surface Quality : 60-40
Thickness (mm) : 0.95 ±0.050
Type : Transmission Diffraction Grating
Width (mm) : 20.00
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