

# Coherent® LightSmyth™ 1030nm, 1600 Grooves/mm, 31.8 x 24.8mm Transmission Diffraction Grating

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LightSmyth™ Transmission Diffraction Gratings

Stock #16-864 3-4 DAYS

- 1 + **£1,024.25**

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Groove Density (grooves/mm):  
1600

Groove Density Uniformity (grooves/mm):  
0.001

Design Wavelength DWL (nm):  
1030 ±10

|                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Minimum Efficiency (%)</b> :<br>≥94 @ 1030nm                                                                                                     |
| <b>Dimensions (mm)</b> :<br>31.80 x 24.80                                                                                                           |
| <b>Angle of Incidence (°)</b> :<br>55.5 ±1                                                                                                          |
| <b>Clear Aperture CA (mm)</b> :<br>30.80 x 23.80                                                                                                    |
| <b>Coating</b> :<br>Dielectric                                                                                                                      |
| <b>Construction</b> :<br>Multi-Layer Dielectric Binary Etch Grating                                                                                 |
| <b>Length (mm)</b> :<br>31.80                                                                                                                       |
| <b>Model Number</b> :<br>1304193                                                                                                                    |
| <b>Substrate</b> : <br><a href="#">Fused Silica</a> (Corning 7980) |
| <b>Surface Quality</b> :<br>60-40                                                                                                                   |
| <b>Thickness (mm)</b> :<br>0.95 ±0.050                                                                                                              |
| <b>Type</b> :<br>Transmission Diffraction Grating                                                                                                   |
| <b>Width (mm)</b> :<br>24.80                                                                                                                        |
| <b>Alignment of Grooves to Edge (°)</b> :<br>0.1 (typical)                                                                                          |
| <b>Polarization</b> :<br>S                                                                                                                          |
| <b>Note</b> :<br>S-Polarization defined with E-field parallel to the grating grooves                                                                |

### Regulatory Compliance

|                                                             |
|-------------------------------------------------------------|
| <b>RoHS</b> :<br><a href="#">Compliant</a>                  |
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