

# Coherent® LightSmyth™ 875nm, 1503.76 Grooves/mm, 24.8 x 15.8mm Transmission Diffraction Grating

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LightSmyth™ Transmission Diffraction Gratings

Stock **#16-862** 10 TO 12 DAYS

⊖ 1 ⊕ **₹53,505.00**

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|--------------------------------------------------|
| Groove Density (grooves/mm):<br>1503.76          |
| Groove Density Uniformity (grooves/mm):<br>0.001 |
| Design Wavelength DWL (nm):<br>875 ±20           |

|                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Minimum Efficiency (%)</b> :<br>≥94 @ 875nm                                                                                                      |
| <b>Dimensions (mm)</b> :<br>24.80 x 15.80                                                                                                           |
| <b>Angle of Incidence (°)</b> :<br>41 ±1                                                                                                            |
| <b>Clear Aperture CA (mm)</b> :<br>23.80 x 14.80                                                                                                    |
| <b>Coating</b> :<br>Dielectric                                                                                                                      |
| <b>Construction</b> :<br>Multi-Layer Dielectric Binary Etch Grating                                                                                 |
| <b>Length (mm)</b> :<br>24.80                                                                                                                       |
| <b>Model Number</b> :<br>1304174                                                                                                                    |
| <b>Substrate</b> : <br><a href="#">Fused Silica</a> (Corning 7980) |
| <b>Surface Quality</b> :<br>60-40                                                                                                                   |
| <b>Thickness (mm)</b> :<br>0.68 ±0.050                                                                                                              |
| <b>Type</b> :<br>Transmission Diffraction Grating                                                                                                   |
| <b>Width (mm)</b> :<br>15.80                                                                                                                        |
| <b>Alignment of Grooves to Edge (°)</b> :<br>0.1 (typical)                                                                                          |
| <b>Polarization</b> :<br>S and P                                                                                                                    |
| <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>                  |
| <b>Certificate of Conformance</b> :<br><a href="#">View</a> |