

# Coherent® LightSmyth™ 1500 - 1800nm, 711.24 Grooves/mm, 31.8 x 20mm Transmission Diffraction Grating

See More by [Coherent®](#)



LightSmyth™ Transmission Diffraction Gratings

Stock **#16-878** CLEARANCE CONTACT US

- 1 + **S\$1,268.68**

ADD TO CART

|                               |
|-------------------------------|
| Qty 1+                        |
| S\$1,268.68                   |
| Volume Pricing                |
| <a href="#">Request Quote</a> |

Get Product Downloads



Groove Density (grooves/mm):  
711.24

Groove Density Uniformity (grooves/mm):  
0.001

Wavelength Range (nm):  
1500 - 1800

|                                                                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Minimum Efficiency (%)</b> :<br>≥95 @ 1500 - 1800nm                                                                                              |
| <b>Dimensions (mm)</b> :<br>31.80 x 20.00                                                                                                           |
| <b>Angle of Incidence (°)</b> :<br>35.55 ±1                                                                                                         |
| <b>Clear Aperture CA (mm)</b> :<br>30.80 x 19.00                                                                                                    |
| <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>1358003                                                                                                                    |
| <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>20.00                                                                                                                        |
| <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> |