## PRODUCT SPECIFICATIONS

### Item Description
- e06-06-065-0878.6-1-200-0.22-SI-SMA-1.5-KL-VBG
- ECCN: EAR99

### Model
- e06.0650879200

### Optical
<table>
<thead>
<tr>
<th>Item Description</th>
<th>Units</th>
<th>Lower Spec</th>
<th>Typical</th>
<th>Upper Spec</th>
</tr>
</thead>
<tbody>
<tr>
<td>CW Output Power</td>
<td>W</td>
<td>65</td>
<td>65</td>
<td></td>
</tr>
<tr>
<td>Wavelength Peak</td>
<td>nm</td>
<td>877.6</td>
<td>878.6</td>
<td>879.6</td>
</tr>
<tr>
<td>Spectral Width (FWHM)</td>
<td>nm</td>
<td>0.3</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>NA within 95% Power Enclosure</td>
<td>-</td>
<td>0.19</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fiber Core / Clad Diameter</td>
<td>µm</td>
<td>200 / 220</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fiber NA / Index Type</td>
<td>-</td>
<td>0.22 NA / Step Index</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Back Reflection Isolation 1060 - 1200nm</td>
<td>dB</td>
<td>15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Electrical
- Electrical-to-Optical Efficiency: %
- Threshold Current: A
- Operating Current: A
- Operating Voltage: V
- Wavelength Stabilized Operating Current: A

### Mechanical
- Mass: g
- Fiber Length: m
- Active Fiber Bend Radius: mm
- Fiber Jacketing: 3 mm Kevlar Tubing
- Fiber Termination: SMA

### Thermal
- Waste Heat: W
- Operating (Housing) Temperature: °C
- Wavelength Temperature Coefficient: nm / °C

### Notes
1. Production specification shown are for beginning of life performance. End of life operating current (Iop) is 110% beginning of life Iop.
2. Operating temperature defined by the package housing.
3. A non-condensing environment is required for operation and storage. Storage conditions are from -20 to +70 °C with relative humidity between 5 to 85%.
4. Export Control Classification Number (ECCN) as defined by the Export Administration Regulations (EAR).
5. Wavelength stabilized to >95% power in band of 877.1 nm to 880.1 nm at the rated operating temperature.

---

Notice
nLIGHT continually improves its products to provide customers with outstanding quality and reliability, therefore may change certain specifications and product descriptions at any time, without notice. Additionally, nLIGHT offers a limited warranty to ensure customer satisfaction. For complete details, please contact an nLIGHT sales representative.

This product is not certified in accordance with IEC 60825-1 or 21 CFR 1040.10/21 CFR 1040.11 and is solely intended to be integrated into a laser product certified by the Purchaser. The Purchaser acknowledges that their product (incorporating the nLIGHT laser product) must comply with the applicable regulations before it can be sold.

**Rev 4/25/2019**