Conductively Cooled Laser Diode Package

**CS-Mount **\( \lambda \)960-980 nm

**Features:**
- Improved cooling efficiency
- No “smile” effect
- Bars on demand
- Central wavelength on demand

**Suitable for:**
- Hair removal
- Surgical cardiology
- Ophthalmology
- Interstitial laser induced thermotherapy (Cancer)
- Odontology
- Material processing
- Printing

**CS-Mount \( \lambda \)960-980 nm l 1 bar package**

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**Product specification are subject to change without notice.**
For complete details, please contact your local MONOCROM sales representative.

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CS-MOUNT / 960-980 nm

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## CS-Mount λ960-980 nm | TECH Specifications

<table>
<thead>
<tr>
<th>Laser Parameters[1,2,3,4]</th>
<th>conductively cooled mount</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Wavelength</strong>[5][nm]</td>
<td>960 - 980</td>
</tr>
<tr>
<td><strong>Wavelength tolerance</strong> [nm]</td>
<td>±20</td>
</tr>
<tr>
<td><strong>Spectral width</strong> [nm]</td>
<td>4</td>
</tr>
<tr>
<td><strong>Wavelength shift</strong> [nm/K]</td>
<td>0.4</td>
</tr>
<tr>
<td><strong>Output power</strong>[4,6][W]</td>
<td>CW - up to 150 / QCW - up to 400</td>
</tr>
<tr>
<td><strong>Operating current</strong> [A]</td>
<td>CW &lt; 160 / QCW &lt; 380</td>
</tr>
<tr>
<td><strong>Efficiency coefficient</strong> [W/A]</td>
<td>1.1</td>
</tr>
<tr>
<td><strong>Voltage @ connectors</strong>[7][V]</td>
<td>&lt; 1.8</td>
</tr>
<tr>
<td><strong>Optics (optional)</strong></td>
<td>FAC / SAC / BT</td>
</tr>
<tr>
<td><strong>Smile</strong> [µm]</td>
<td>&lt; 0.3</td>
</tr>
</tbody>
</table>

1. This is a preliminary specification sheet; validation of specification is in process.
2. If any other requirements are needed, please contact us.
3. Specifications at 20 °C, at the beginning of the lifetime.
4. Specification are subjected to chips availability.
5. Other wavelengths on request.
7. Voltage from the power supply must be higher, as due to high current there will be a voltage drop in the cables.

### High Brightness

The lack of a "smile" effect allows a superior beam quality. Together with a double-side macro channel coolers our diode bars achieve higher energy per pulse and excellent beam quality, thus higher brightness.