Conduction Cooled Laser Diode Package

**CS-Mount \( \lambda \)910-920nm**

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

**Suitable for:**
- Hair Removal
- Odontology
- Material processing
- Defense

**CS-Mount \( \lambda \)910-920nm \( \) 1 bar package**

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**CS-MOUNT / 910-920nm**

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

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UNE EN ISO 9001:2015
## Laser Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Type</strong></td>
<td>conduction cooled mount</td>
</tr>
<tr>
<td><strong>Wavelength</strong> ( \lambda ) [nm]</td>
<td>910 - 920</td>
</tr>
<tr>
<td><strong>Wavelength tolerance</strong> [nm]</td>
<td>±20</td>
</tr>
<tr>
<td><strong>Spectral width</strong> [nm]</td>
<td>3</td>
</tr>
<tr>
<td><strong>Wavelength shift</strong> [nm/K]</td>
<td>0.27</td>
</tr>
<tr>
<td><strong>Output power</strong> ( P ) [W]</td>
<td>CW - up to 200 / QCW - up to 200</td>
</tr>
<tr>
<td><strong>Operating current</strong> [A]</td>
<td>CW &lt; 220 / QCW &lt; 220</td>
</tr>
<tr>
<td><strong>Efficiency coefficient</strong> [W/A]</td>
<td>1.2</td>
</tr>
<tr>
<td><strong>Voltage @ connectors</strong> [V]</td>
<td>2</td>
</tr>
<tr>
<td><strong>Optics (optional)</strong></td>
<td>FAC / SAC / BT</td>
</tr>
<tr>
<td><strong>Smile</strong> [( \mu m )]</td>
<td>&lt; 0.3</td>
</tr>
</tbody>
</table>

1. Other wavelengths on request. 
2. Expected output power. Can vary based on current and temperature. 
3. Specification are subjected to chips availability. 
4. Voltage from the power supply must be higher, as due to high current there will be a voltage drop in the cables.

## Solder-free Diode Bar Mounting - Patented Clamping™ Technology

- Long lifetime  
- High reliability  
- No micro channels needed  
- Small thermal resistance

![Soldered bar smile >1µm](image1)  
![Clamped bar smile 0.1µm](image2)