808nm, 400µm, Conduction-Cooled, Conduction-Cooled, Narrow Linewidth, Fiber-Coupled, Multi-Bar Module

Features
- Narrow linewidth of <1nm
- High coupling efficiency
- High brightness
- Conduction-cooled
- Sealed housing

Optional Accessories
- Integrated pointer laser
- Integrated power meter
- Integrated NTC temperature sensor
- Fiber detection sensor

Device Specification

<table>
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<tr>
<th>Optical Parameters</th>
<th>Units</th>
<th>Center Wavelength Range</th>
<th>Center Wavelength Tolerance</th>
<th>Output Power</th>
<th>Spectral Width (FWHM)</th>
<th>Slope Efficiency</th>
<th>Wavelength Temp. Coefficient</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>808 nm</td>
<td>±0.6</td>
<td>100 W</td>
<td>&lt;1 nm</td>
<td>&gt;2.3</td>
<td>~0.01°C</td>
</tr>
</tbody>
</table>

Fiber Parameters
- Numerical Aperture: NA 0.22
- Fiber Core Diameter: µm 400
- Fiber Connector: HP-SMA 905 with Free Standing Fiber Tips

Electrical Parameters
- Power Conversion Efficiency: % >30
- Threshold Current ($I_{TH}$): A <11
- Operating Current ($I_{OP}$): A <60
- Operating Voltage ($V_{OP}$): V <6

Thermal Parameters
- Operating Temperature: °C +20 to +30
- Storage Temperature: °C 0 to +55
- Recommended Heatsink Capacity: °C >260

1 Data at 25°C cold plate temperature, unless otherwise stated.
2 Reduced lifetime if used above nominal operating conditions.
3 Others available upon request.
4 A non-condensing environment is required for storage and operation below the ambient dew point.
5 Within operating temperature ±3°C
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Package Dimension