808 nm laser diode
250 mW / singlemode fiber / Butterfly package

Reference: 808LD-1-0-0

<table>
<thead>
<tr>
<th>SPECIFICATIONS</th>
<th>Unit</th>
<th>Min</th>
<th>Typ</th>
<th>Maximum</th>
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<tbody>
<tr>
<td>Optical parameters</td>
<td></td>
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</tr>
<tr>
<td>Output Power</td>
<td>mW</td>
<td></td>
<td>250</td>
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</tr>
<tr>
<td>Center Wavelength (optional “FBG” version)</td>
<td>nm</td>
<td>803</td>
<td>808</td>
<td>813</td>
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<tr>
<td></td>
<td></td>
<td>(807)</td>
<td>(808)</td>
<td>(809)</td>
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<tr>
<td>Spectral Width (FWHM) / (optional “FBG” version)</td>
<td>nm</td>
<td>3.5</td>
<td>(0.1)</td>
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<tr>
<td>Threshold Current</td>
<td>mA</td>
<td>90</td>
<td>120</td>
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<tr>
<td>Operating Current</td>
<td>mA</td>
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<tr>
<td>Operating Voltage</td>
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<td>2.3</td>
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<tr>
<td>Wavelength shift w Temperature (Optional “FBG” version)</td>
<td>nm/°C</td>
<td>0.25</td>
<td>(5 x 10^-3)</td>
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<tr>
<td>Wavelength shift w Current (Optional “FBG” version)</td>
<td>nm/A</td>
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<td>(~0)</td>
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<tr>
<td>Side mode suppression ratio (Optional FBG version)</td>
<td>dB</td>
<td>(20)</td>
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<tr>
<td>Internal photodiode responsivity</td>
<td>mA/W</td>
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<td>20</td>
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<td>Internal photodiode dark current</td>
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<td>40</td>
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<td>TEC current (25°/case@70°)</td>
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<td>TEC voltage (25°/case@70°)</td>
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<td>Internal thermistor (25°)</td>
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<td>Fiber type</td>
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<td>Fiber bend radius</td>
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<td>Laser diode reverse voltage</td>
<td>V</td>
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</table>

Form factor:

Laser diode pinning:

Totally floating pin-out