The Intense Series 5200 of laser modules combines multiple 1200 series diode lasers with a bundle of seven optical fibers arranged in circular arrangement that allows efficient coupling into 400µm or 600µm core 0.22NA or larger optical fibers. The coupling is managed with an FC coupling. (A seven-segment mini-array is optically coupled to seven fibers.) The parallel configuration of the array is easily driven with commercially available laser current drivers. The internals of the High Heat Load package include Thermoelectric cooler, monitor photodiode and thermistor. The output fiber bundle is in an armored cable terminated at an FC connector.

Applications include photodynamic therapy, illumination, medical imaging and diagnostics.

### Production Process

1. **Wafer**
2. **Fabrication**
3. **Packaging**
4. **Production**
5. **Test & Characterization**

### Market Sectors

- [ ]
- [ ]
- [ ]
- [ ]
- [ ]

Orange notes optimal applications.

### Intense Series 5200 Selection Chart

**Intense Series 5200 Datasheet (PDF)**

Typical Specifications @ 15°C:

<table>
<thead>
<tr>
<th>Specifications</th>
<th>Output Power (W)</th>
<th>Fiber Bundle Aperture (µm)</th>
<th>Num</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model 5215</td>
<td>1.5</td>
<td>400</td>
<td>7</td>
</tr>
<tr>
<td>Model 5230</td>
<td>3</td>
<td>600</td>
<td>14</td>
</tr>
<tr>
<td>Model 5115</td>
<td>1.5</td>
<td>400</td>
<td>7</td>
</tr>
<tr>
<td>Model 5130</td>
<td>3</td>
<td>600</td>
<td>14</td>
</tr>
</tbody>
</table>

Have A Question About Intense Products? Let Us Know How We Can Help.