Features:

- high current drivers
- high speed
- wide choice of laser diodes
- custom package
- optics and fiber-arrays optional

**MM-Fiber Coupled Laserdiode Subsystems**

Fibercoupled laser diodes are widely used in many industrial applications such as the printing industry, other graphic arts, material processing and sensing instruments.

Laser diodes need safe drive conditions guaranteed by ready-to-use laserdiode subsystems. These products are cost savers for the customers dealing with industrial environment or growing complexity of the final system. Fibotec offers subsystems that provide fast modulation of high-current laser diodes with fiber arrays attached.

Laser diodes to be integrated to a subsystem are used according to the customer’s need from a variety of different suppliers or specified by the final customer to address certain purchasing agreements or qualification processes.
**Specifications:** MM-Fiber Coupled Laserdiode Subsystems

<table>
<thead>
<tr>
<th>Parameter</th>
<th>PHS-F6N8 28001 01</th>
<th>PHS-F6N8 28004 01</th>
<th>PHS-F1N9 34004 01</th>
<th>unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>laser diodes / module</td>
<td>1</td>
<td>4</td>
<td>4</td>
<td>pcs.</td>
</tr>
<tr>
<td>power / channel</td>
<td>0.65</td>
<td>0.65</td>
<td>2.5</td>
<td>W</td>
</tr>
<tr>
<td>wavelength</td>
<td>typ. 830</td>
<td>typ. 830</td>
<td>typ. 830</td>
<td>nm</td>
</tr>
<tr>
<td>fiber core diameter*</td>
<td>60</td>
<td>60</td>
<td>104</td>
<td>µm</td>
</tr>
<tr>
<td>NA out of fiber*</td>
<td>0.14</td>
<td>0.14</td>
<td>0.14</td>
<td></td>
</tr>
<tr>
<td>fiber pitch*</td>
<td>N/A</td>
<td>128</td>
<td>128</td>
<td>µm</td>
</tr>
<tr>
<td>rise/fall time</td>
<td>max. 50</td>
<td>max. 50</td>
<td>max. 200</td>
<td>ns</td>
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<tr>
<td>drive current @ 5 VDC</td>
<td>2</td>
<td>8</td>
<td>25</td>
<td>A</td>
</tr>
</tbody>
</table>

* arrayed output

**Options:**

A: customized packaging

B: different fiber core diameter or NA and laser diode power or wavelength

C: connectorized fiber ends or arrayed fiber with different pitch

Please indicate requirements by selecting options from the table or filling in desired values that still need to be confirmed by the manufacturer.

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