Fiber PM Pump Combiner
(Patent Pending)

Product Description

Agiltron’s PM Pump Combiners has robust structure and environmental stability. It features high pump efficiency, low excess loss and high power handling capacity as well as the maximum brightness conservation. These combiners are ideal for combinering the power from several multimode laser diodes and delivery the power at one PM output fiber. These combiners can be widely used in high power fiber laser and direct diode laser which have application in material process, medical, military and telecommunications. Agiltron’s PM Combiners can be designed to meet a wide range of power handling configurations, number of input fibers and adaptation to different fiber types.

Specifications

<table>
<thead>
<tr>
<th>Pump Combiner Type</th>
<th>Pump Wavelength (nm)</th>
<th>signal wavelength (nm)</th>
<th>Input Fiber</th>
<th>Signal fiber</th>
<th>Output Fiber</th>
<th>Pump Coupling Loss(dB)</th>
<th>Signal Coupling Loss(dB)</th>
<th>Return Loss (dB)</th>
<th>PER (dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(6+1)x1 PM</td>
<td>800~1000</td>
<td>1040~1080</td>
<td>PM 10/125, 0.08/0.46</td>
<td>PM 20/400, 0.06/0.46</td>
<td>0.4</td>
<td>0.5</td>
<td>45.0</td>
<td>20.0</td>
<td></td>
</tr>
</tbody>
</table>

Applications

- Fiber laser
- Direct diode laser
- High power EDFA
- Raman laser