G&H’s TFB series Power Combiners provide an all-fibre high efficiency means of combining light from several multimode sources into one fibre.

Fabricated using G&H proprietary controlled fusion process the combiner enables high coupling efficiency over a wide wavelength range.

Available in standard 3x1 and 7x1 configurations, G&H power combiners can be fabricated from a range of industry standard multimode fibres allowing ease of splicing to commercially available laser diodes.

Custom fibre and port configurations are available on request.

Please contact the sales team for further information.

Key Features:
- All fibre construction
- High Coupling Efficiency
- High Power Design
- Custom configurations available

Applications:
- Cladding pumped fibre lasers
- Medical
- Industrial
- Defence
Optical Specifications

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pump Input Fibre NA</td>
<td>0.15</td>
<td>0.22</td>
</tr>
<tr>
<td>Pump Input Wavelength</td>
<td>900 to 1000</td>
<td>nm</td>
</tr>
<tr>
<td>Pump (MM) Transmission Efficiency,</td>
<td>≥ 90 (Typ &gt; 95)</td>
<td>%</td>
</tr>
<tr>
<td>Return Loss/Directivity</td>
<td>&gt; 40</td>
<td>dB</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-5 to +75</td>
<td>°C</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>-40 to +85</td>
<td>°C</td>
</tr>
</tbody>
</table>

1. All specifications are for operation at room temperature.
2. Transmission efficiency based on 7x1 with 125µm / 0.45NA output fibre and 0.5m pigtails. Reported at 975nm as standard.

Ordering Code Information

Example: TFB-MMM711A70 (7x1 Tapered Fibre Bundle with seven 105/125µm 0.15NA pump inputs, one 125µm 0.45NA output in high power housing with 0.5m pigtails).

Contact: sales@goochandhousego.com  www.goochandhousego.com

As part of our policy of continuous product improvement we reserve the right to change specifications at any time

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