DK Photonics 7x1 multimode pump combiner combines 7 multimode lasers power to create a high power output with consigned fibers. It features exceptional optical characteristics. The output fiber can be transmitting energy fiber as the energy synthesis, it also can be no core fiber or LMA double clad fiber, which people can splice with match doped LMA double cladding fiber.

DK Photonics’ Multimode Pump Combiners offer efficient power transfer for high power applications like direct diode materials processing and pump cascading with a maximum conservation of brightness. The Multimode Combiners can be designed to meet a wide range of power handling configurations, number of input fibers and adaptation to different fiber types.

We can produce the Nx1 pump combiner including 2x1, 3x1, 4x1, 7x1, 19x1, 37x1 pump combiner and so on. Pump fiber, output fiber type and the configuration(Nx1) can be customized, with power handling per multimode port of, 10W, 25W, 50W, 100W(200W or higher can be customized).

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**Key Features**

- High Transfer Efficiency
- Wavelength Insensitive
- Custom Configurations Available
- High Power Handling
- ROHS Compliant

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**Applications**

- Fiber Lasers
- Fiber Laser Combination
- kW Class Fiber Lasers
- Industrial & Research

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**Package Information**

<table>
<thead>
<tr>
<th>Package Type</th>
<th>T3</th>
<th>T4</th>
<th>T5</th>
<th>T6</th>
<th>T7</th>
<th>T8</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (mm)</td>
<td>70x13x8</td>
<td>65x12x7.5</td>
<td>80x14x10</td>
<td>105x15x8</td>
<td>100x28x12.6</td>
<td>150x15x10</td>
</tr>
</tbody>
</table>

*Due to ongoing design improvements, the package size is subject to change.

According to the different configuration, power handling, and fiber core diameter, we will choose the appropriate package size. Please contact DK Photonics for confirmation.

*High power device package must be mounted onto heat sink (active cooling is suggested) with thermal paste.

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**For more Info**

Please contact us at:

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Fax: +86-755-26746512
E-mail: sales@dkphotonics.com
Web-Site: http://www.dkphotonics.com

Add: 4/F, Bldg. 18, Qinghu Industrial Park, Dahe Rd., Longhua Dist., Shenzhen, Guangdong, China 518109

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November 2017

DK Photonics reserves the right to change any specifications without prior notice.
Order information

P/N: MPC-A-B-C-D-E

When you inquire, please provide the correct P/N number according to our ordering information, and attach the appropriate description would be better.

Part Number Example: MPC-7-100-105/125/022-220/242/022 -10

Description: 7 x 1 Multimode Pump Combiner, 100W per pump power, 105/125µm, 0.22NA input pump fiber, 220/242µm, 0.22NA output fiber, 1.0m fiber length

Ordering Information For Custom Parts

If you need to customize other specifications, please provide detailed description for your requirement.