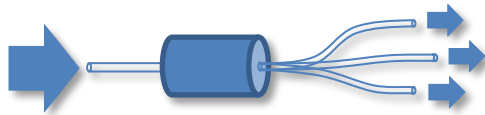


## HIGH POWER 1→3 MULTIMODE COUPLER



The High Power Multimode Couplers (HPMC series) provide an efficient way to split optical power coming from a single high power laser diode into multiple fibers with equal ratios.

ALPhANOV supplies both standard and custom-made HPMC couplers for several types of applications. Custom-made HPMC coupler can be designed and made on demand to meet a wide range of configurations with various input and output fibers.

### Key Features:

- Very High Brightness
- 100 W power range
- Custom configuration available
- All Fiber construction

### Key Applications:

- Multimode multiplexing
- High power micromachining
- Medical, Industrial, Defense...

### Technical Specifications

Product Code	HPMC 3-222-115
<b>Optical specifications</b>	
Pump operating wavelength	600-1600 nm
Number of multimode outputs	3
Input fiber core/clad diam.	200/240/260/375 μm
Input fiber NA	NA = 0.22 <i>Other fiber upon request</i>
Output fiber core/clad/ext diam.	105/125/250 μm
Output fiber NA	NA=0.15 <i>Other fiber upon request</i>
Max input Power	15 W (100W preliminary)
Insertion loss (efficiency)	0.4 dB (91%)
Return loss	40 dB
Output fibers power homogeneity (from one fiber to another)	±10%
<b>Mechanical specifications</b>	
Length x Width x Height	120 x 20 x 7 <i>Smaller dimension available</i>
Fiber pigtail length	1000 mm <i>Other length upon request</i>

Specifications subject to change without notice.

For custom specifications, please contact ALPhANOV.

Kokyo

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