

HIGH BRIGHTNESS 7→1 MULTIMODE PUMP COMBINER



ALPhANOV's HBC series provide a way of combining light from several high brightness multimode laser diode sources.

ALPhANOV supplies both standard and custom-made HBC combiners for several types of applications. Custom-made HBC combiners 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
- All Fiber construction
- Custom configuration available

Key Applications:

- Fiber laser pumping
- Fiber amplifier pumping
- Multi-wavelength combining
- High power micromachining
- Medical, industrial, defense...

Technical Specifications

Product Code	HBC7-115-222
Optical specifications	
Pump operating wavelength	600-1600 nm
Number of multimode inputs	7
Input fiber core diam.	105 µm/125 µm
Input fiber NA	NA = 0.15 or 0.22 <i>Other fiber upon request</i>
Output fiber core diam.	200 µm/242 µm
Output fiber NA	NA=0.22 <i>Other fiber upon request</i>
Max input Power per port	60 W
Efficiency	>90%
Return loss	40 dB
Mechanical specifications	
Length x Width x Height	120 x 20 x 7 mm <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.