MULTIMODE COMPONENTS

(6+1)x1 High Power Pump and Signal Combiners

Optimized for Counter-Pumped Laser Designs

ITF Technologies' High Power Multimode Pump and Signal Combiners feature exceptional optical performance. These devices can be used to combine the power from several multimode laser diodes with a signal feed into a double clad fiber (DCF). These combiners are designed to address industrial and research applications.

ITF Technologies' High Power Multimode Pump and Signal Combiners also offers very efficient pump power transmission in applications such as fiber lasers and fiber amplifiers, with the best signal quality transmission. They are designed to meet a wide range of power handling configurations and a large selection of input/output fiber types.



KEY FEATURES

- High Power Transfer Efficiency
- Preservation of Modal Content
- Wavelength Insensitive
- Custom Configurations Available
- ROHS Compliant
- Can also be used in a co-pump configuration

APPLICATIONS

- Fiber Lasers
- Fiber Laser Seed Amplifiers
- Fiber Laser Power Amplifiers
- Industrial & Research

Sales: contact@cybel-llc.com Website: www.cybel-llc.com 62 Highland Avenue, Bethlehem, PA 18017 Phone: 610-691-7012

MULTIMODE COMPONENTS

(6+1)x1 High Power Pump and Signal Combiners

OPTIMIZED FOR COUNTER-PUMPED LASER DESIGNS

TYPICAL PUMP FIBER	PUMP POWER HANDLING	PUMPING SCHEME	NOTES
105/125 um NA=0.22	Up to 100 W/port	Co-pumping, counter-pumping	Standard operating bands: 1.0 um, 1.5 um and 2.0 um. Signal optimized for fundamental mode transmission: Typical <0.5 dB fundamental mode loss . Maximum pump insertion loss per port: 0.5 dB (typical). Optical return loss: > 35 dB. PER value of PM components: >20 dB.
135/155 um NA=0.22	Up to 250 W/port	Co-pumping, counter-pumping	
200/220 um NA=0.22	Up to 300 W/port	Co-pumping, counter-pumping	
PACKAGE DIMENSIONS	60.0 x 12.0 x 6.5 mm		

ADDITIONAL INFORMATION

Compatible with most standard fibers.
Power handling is provided for general reference only.
Polarization-maintaining versions (PM) available on demand.
Custom designs and prototypes also available on demand.

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