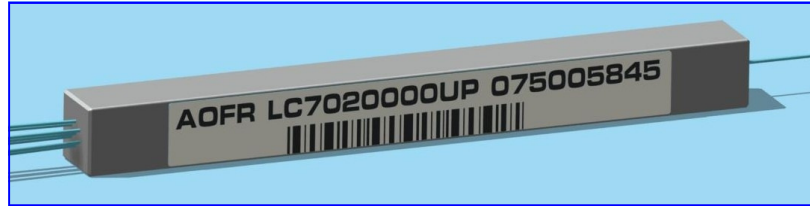


2x1, 3x1, 4x1, 7x1 and 19x1 MULTIMODE HIGH POWER COMBINERS

AOFR's fused biconic taper coupler technology and advanced production platform has been extended to laser power combiners. AOFR's power combiners enable high efficiency coupling for multiple high power lasers into a single multimode fiber. All AOFR combiners conform to stringent environmental and mechanical standards to give high reliability and long lifetime for all field applications.



FEATURES

- All fiber construction with high efficiency
- High Reliability
- Up to 25W per port power handling
- Different fiber sizes and fiber numerical apertures available
- Stable environmental performance
- Metal packaging to maximize heat dissipation
- Suitable for air or water cooled applications

APPLICATIONS

- Fiber lasers for a range of applications including
 - Industrial
 - Military
 - Medical
- Fiber Amplifiers
- High Power fiber delivery systems

SPECIFICATIONS

Configuration	2x1	3x1	4x1	7x1	19x1
Operating Wavelength	790 -1000nm				
Storage Temperature	-40°C to 85 °C				
Operating Temperature	-5 °C to 75 °C				
Minimum per port efficiency	>90%				
Return loss/Directivity	>40dB				
Power Handling per input port*	25W			10W	
Package dimensions (HxWxL)	5x5x50mm			8x8x65mm	

* with appropriate heat sinking

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ORDERING INFORMATION

Catalog Number	Input fiber core dia.(NA)/clad dia.	Output fiber core dia.(NA)/clad dia.
2x1		
LC2020004UP	105(0.15)/125µm	105(0.22)/125µm
LC2010000UP	105(0.22)/125µm	125(0.45)/250µm
LC2020000UP	105(0.15)/125µm	125(0.45)/250µm
LC2010009UP	105(0.22)/125µm	200(0.22)/220µm
LC2020009UP	105(0.15)/125µm	200(0.22)/220µm
3x1		
LC3010000UP	105(0.22)/125µm	125(0.45)/250µm
LC3020000UP	105(0.15)/125µm	125(0.45)/250µm
LC3010009UP	105(0.22)/125µm	200(0.22)/220µm
LC3010009UP15	105(0.22)/125µm*	200(0.22)/220µm
LC3020009UP	105(0.15)/125µm	200(0.22)/220µm
4x1		
LC4010000UP	105(0.22)/125µm	125(0.45)/250µm
LC4020000UP	105(0.15)/125µm	125(0.45)/250µm
LC4020009UP	105(0.15)/125µm	200(0.22)/220µm
7x1		
LC7010000UP	105(0.22)/125µm	125(0.45)/250µm
LC7020000UP	105(0.15)/125µm	125(0.45)/250µm
LC7020009UP	105(0.15)/125µm	200(0.22)/220µm
19x1		
LC19020010BP	105(0.15)/125µm.	400(0.22)/440µm

The above combiners have aluminum packaging with 1 meter pigtails as standard.
 Non-standard fiber types, packaging and pigtail lengths are available on request.
 * Tested and reported with a 0.15NA mode launch.

PACKAGE OUTLINES

