

2x1, 3x1, 4x1, 7x1 and 19x1 MULTIMODE 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 power handling
- Broadband operation
- Different fiber sizes and fiber NAs available
- Stable environmental performance
- Metal packaging to maximize heat dissipation

APPLICATIONS

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



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%				
Power Handling	10W per input (with appropriate heat sinking)				
Return loss/Directivity	>40dB				
Package dimensions (HxWxL)	5x5x50mm			8x8x65mm	

AOFR Pty Limited

2 Faulding Street
Symonston ACT
Australia 2609
PO Box 7125
Canberra Business Centre ACT, 2610
Ph:+61 2 6206 2222
Fax: +61 2 6280 6393

Sales Contacts:

North & South America - email: sales@aofr.com

Europe & Middle East - email: sales@aofr.com

Japan (Industrial) - OptoSirius Corp.- Ph: +81 3 5963 6377, Fax: +81 3 5963 6388, email: aihara@optosirius.co.jp

Japan (Telecom)- Nissho Electronics Corp. - Ph:+81 3 3544 8211, Fax: +81 3 3544 8280. email:o-devices@nissho-ele.co.jp

China - ComStar Communications Ltd.- Ph: +85-2-2536-9737, Fax: +85-2-2536-9978, email: hongkong@comstarcom.com

Australia/New Zealand - CoverTel - Ph: +61 (0)3 932 83699, Fax: +61 (0)3 932 82644, email: cliff_lever@covertel.com.au

These specifications are current at the date of publication. As we continue to improve our products, AOFR reserves the right to change any product specification without notice. At any time, feel free to verify the specifications by contacting a sales representative. AOFR Pty Limited. All rights reserved.

ORDERING INFORMATION

Catalog Number	Input fiber core dia.(NA)/clad dia.	Output fiber core dia.(NA)/clad dia.
2x1		
LC2020004HP	105(0.15)/125µm	105(0.22)/125µm
LC2010000HP	105(0.22)/125µm	125(0.45)/250µm
LC2020000HP	105(0.15)/125µm	125(0.45)/250µm
LC2010009HP	105(0.22)/125µm	200(0.22)/220µm
LC2020009HP	105(0.15)/125µm	200(0.22)/220µm
3x1		
LC3010000HP	105(0.22)/125µm	125(0.45)/250µm
LC3020000HP	105(0.15)/125µm	125(0.45)/250µm
LC3010009HP	105(0.22)/125µm	200(0.22)/220µm
4x1		
LC4010000HP	105(0.22)/125µm	125(0.45)/250µm
LC4020000HP	105(0.15)/125µm	125(0.45)/250µm
LC4020009HP	105(0.15)/125µm	200(0.22)/220µm
7x1		
LC7010000HP	105(0.22)/125µm	125(0.45)/250µm
LC7020000HP	105(0.15)/125µm	125(0.45)/250µm
LC7020009HP	105(0.15)/125µm	200(0.22)/220µm
19x1		
LC19020010CP	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.

PACKAGE OUTLINES

