MAKO-AMP-2000
2050nm 40dB, 500mW Fiber Amplifier

Key Features

- >40dB small signal gain
- CW power : 10mW to 500mW
- Low ASE:<1% at 0dBm input
- Low power consumption: <15W
- Gaussian beam profile: M^2 ≈1
- Compact & rugged design
- Operation Temp: -10 to 50 °C
- SM/PM versions

Applications

- Frequency conversion
- Seed laser
- Range finding
- Remote sensing

MAKO SERIES

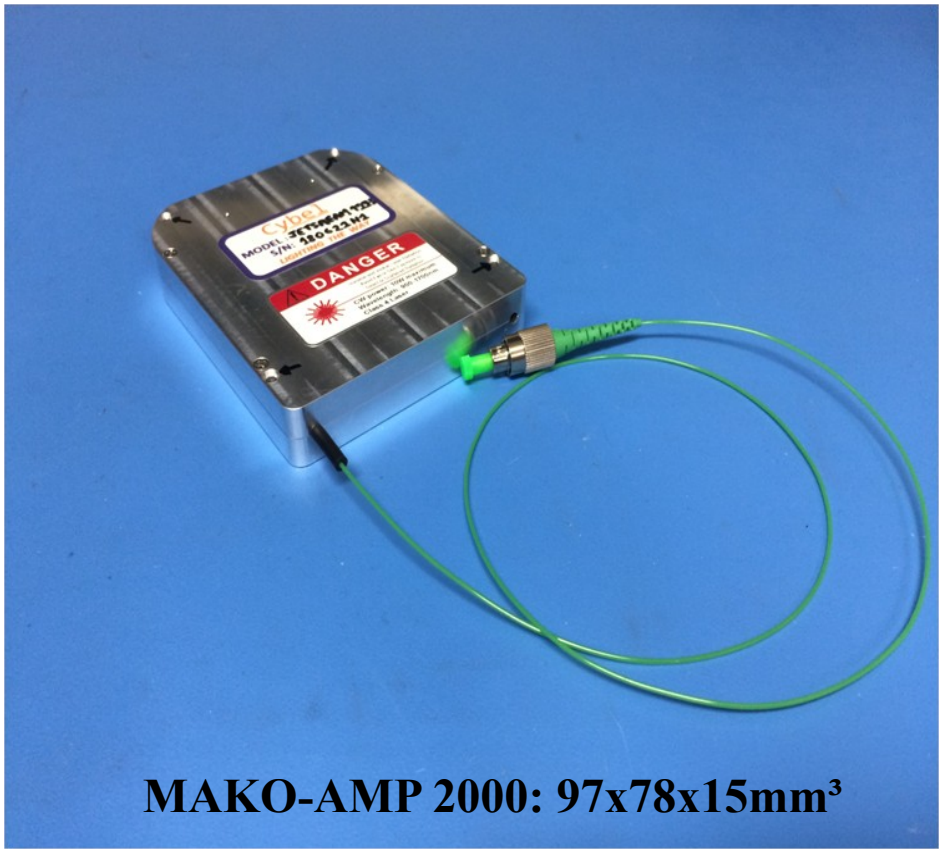
Also available at different standard wavelengths with same high performance and compact footprint:

- MAKO-AMP 1030
- MAKO-AMP 1064
- MAKO-AMP 1550
- MAKO-AMP 1900

The **CYBEL MAKO-AMP 2000** is a compact fiber amplifier for use with wavelengths between 2000 and 2100nm. The amplifier provides a high small signal gain (>40dB) and output power from 10mW to a 500mW. The amplifier output has a near-Gaussian profile (M^2 ≈1).

The **MAKO-AMP 2000** output power is adjustable through a simple digital interface.

The **MAKO-AMP 2000** is an efficient, ultra-compact (97x78x 15mm^3) and ultra-light (150g, all-fiber OEM unit specifically designed for sensing applications requiring a small footprint.



MAKO-AMP 2000: 97x78x15mm³

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MAKO-AMP 2000 Specifications

OPTICAL	Unit	Value	Comment
Center wavelength	nm	2000	2000 to 2100
Small signal gain	dB	40	@Pin=-10dB
Average output power	mW	10 to 500	Mac=x power set by design
ASE level	%	<1	500mW output power
Power tunability	%	0 to 100	
Output power variation, CW	% RMS	2	500mW Pout
Output mode M^2		1.1	
Output mode, MFD	μm	9	
Output fiber description		900um	3mm PVC or armored cable available
Input fiber type		SM or PM 1950	
Input/output fiber length	cm	80	FC/APC connector terminations
ELECTRICAL/MECHANICAL			
Mechanical package	mm	97x78x15	
Supply power consumption	W	15	25 °C, 1.0W output power
ENVIRONMENTAL			
Operating temperature	°C	-10 to 50	
Operating relative humidity	%	0 to 95	Non-condensing

CUSTOMIZATION

The **MAKO-AMP-2000** is an amplifier platform that can be customized to match Customers ' specific requirements. Please contact Cybel.

COMPLIANCE with Regulatory Requirements: These OEM products are Class 4 lasers as designated by the Center for Device and Radiology Health (CDRH). As such they are intended only in integration into other equipment and do not comply with CDRH requirement. It is the customer responsibility for CDRH certification of the full system that incorporates this industrial laser.

Cybel
LIGHTING THE WAY

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