MAKO-AMP1030
1030nm, 500 mW Fiber Amplifier

Key Features

- >30dB small signal gain
- CW power >500 mW
- Low ASE:<1% at 0dBm input
- Low power consumption: <10W
- Gaussian beam profile: M^2 ≈1
- Compact & rugged design
- Operation Temp: -10 to 50 °C
- SM/PM versions

Applications

- Free space comm.
- Target illumination
- Remote sensing

MAKO SERIES

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

- MAKO-AMP 1064
- MAKO-AMP 1550
- MAKO-AMP 1900
- MAKO-AMP 2000

The **CYBEL MAKO-AMP 1030** is a compact fiber amplifier for use with wavelengths between 1025 and 1035nm. The amplifier provides high small signal gain (>30dB) and a saturated output power of over 500 mW. The amplifier output has a near-Gaussian profile (M^2 ≈1).

The **MAKO-AMP 1030** output power is adjustable through a simple digital interface.

The **MAKO-AMP 1030** is an efficient, ultra-compact (97x78x15mm^3) and ultra-light (150g), all-fiber OEM unit specifically designed for sensing applications requiring small footprint.

MAKO-AMP 1030: 97x78x15mm³

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Phone: 610-691-7012

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Website: www.cybel-llc.com

MAKO-AMP 1030 Specifications

OPTICAL	Unit	Value	Comment
Center wavelength	nm	1030	1025 to 1035 nm
Small signal gain	dB	27	0dBm
Average output power	mW	500	Across wavelength band, @Pin=0dBm
ASE level	%	<1	500 mW output
Power tunability	%	0 to 100	
Output power variation, CW	% RMS	2	@500 mW output
Output mode M^2		1.1	
Output mode, MFD	μm	10.0	
Output fiber description		900μm	3mm PVC or armored cable available
Input fiber MFD	μm	6.0	
Input /output fiber length	cm	80	FC/APC connector terminations
Polarization Ext. Ratio (PER)	dB	20	
ELECTRICAL/MECHANICAL			
Mechanical package	mm	97x78x15	
Supply power consumption	W	10	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** 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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