

# Amplifier Module at 2 Micron Wavelength

## AP-AMP-MOD-2000

### Features:

- High gain, high power
- High pulse energy, up to 1.5 mJ
- High peak power, 20 kW for ns pulses
- Excellent beam quality,  $M^2 < 1.2$
- No-SBS capability for narrow linewidth amplification
- Conductive Cooling (Not water cooling)
- Patent protected US Patent 9,640,936 & 9,581,760



### Applications:

- ns, ps, fs short pulse amplification
- Single frequency pulsed amplification

### Optical Characteristics:

Parameter	Specification
Operating wavelength	1870-2020 nm
Output power	Up to 30 W average power
Output pulse energy	Up to 1.5 mJ
Gain	15-20 dB
Beam quality	$M^2 < 1.2$
PER	15 dB
Operation mode	Pulsed or CW
Input signal fiber	Can be specified.
Input pump fiber	MM 105/125, NA 0.22
Output	Free-space output
Cooling	Conductive Cooling (Not water cooling)

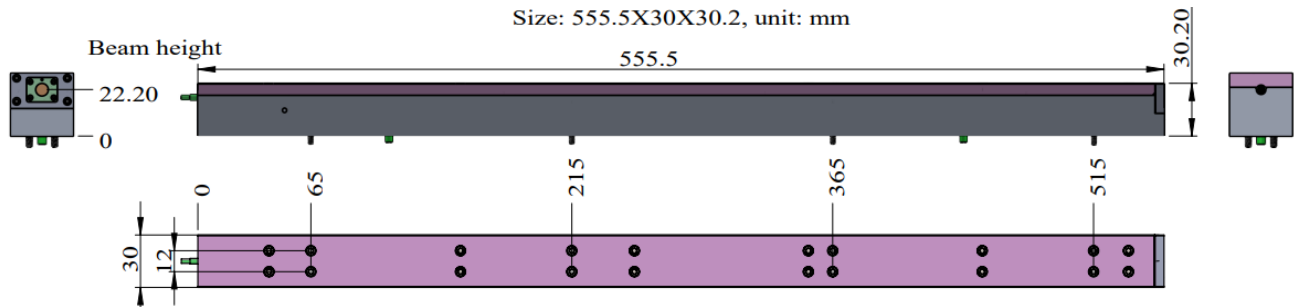
(For special requirement, please contact AdValue Photonics for options.)

*Specifications subject to change without notice*

## General Characteristics:

Parameter	Specification
Operating temperature	10 to 35 °C
Storage temperature	-10 to +70 °C
Cooling	To be mounted on 20 °C water-cooled plate
Dimensions	555.5(L) x 30(W) x 30.2(H) mm

## Mechanical Outline:



## Model/Part No. Information:

Part Number:	AP-AMP-MOD	-	xxxx	-	xx	-	NOTE
	Model: AP-AMP-MOD-2000 (Amplifier Module at 2 μm)		Standard Wavelength: 1950 = 1950 nm Custom Wavelength: xxxx = xxxx nm		Output Power: 30 = 30 W 05 = 5 W xx = xx W		Specify test signal pulse width and rep rate

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