

## Amplifier Module at 1 Micron Wavelength

### Features:

- $M^2 < 1.2$
- $> 23\text{dB}$  gain
- $> 1.5\text{ MW}$  peak power
- $> 120\text{W}$  average power
- 8.86" x 1.22" x 0.69" compact size
- Conductive Cooling (Not water cooling)
- Patented protected US Patent 9,640,936 & 9,581,760



### Applications:

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

**Model: AP-AMP-MOD-1000**

### Optical Characteristics:

Parameter	Specification
Operating wavelength	1030nm, 1064nm or other wavelengths
Output power	120W or higher
Output pulse energy	350 $\mu\text{J}$ at 5ns, 100 $\mu\text{J}$ at 0.4ns, 25 $\mu\text{J}$ at 15ps
Input power	0.5% output power, 23dB gain
Optical efficiency	$> 50\%$
Beam quality	$M^2 < 1.2$
PER	15dB
Operation mode	Pulsed or CW
Input signal fiber	PM 10/125, NA0.08, Non-PM 10/125, NA0.08
Input pump fiber	MM 105/125, 0.22NA
Output	Free-space output
Package size	217mm x 30mm x 17mm (8.86" x 1.22" x 0.69")
Cooling	Conductive Cooling (Not water cooling)

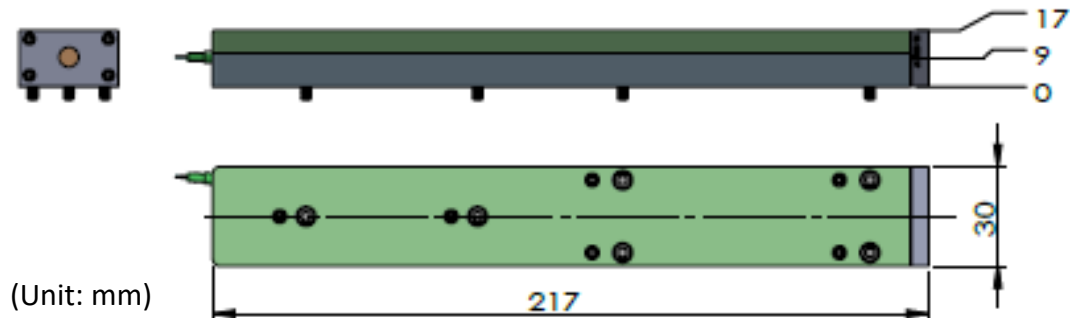
(For special requirement, please contact AdValue Photonics for options.)

*Specifications subject to change without notice*

## General Characteristics:

Parameter	Specification
Operating temperature	20 to 35 °C
Storage temperature	-10 to +70 °C
Cooling	To be mounted on 25 °C water-cooled plate
Packaging (gain fiber module)	Semi-hermetic, dust sealed, dimensions 217(L) x 30(W) x 17(H) mm

## Mechanical Outline:



## Ordering Information:

**Part Number:** AP-AMP-MOD - xxxx - G2 -

Standard Wavelength:

1030 = 1030 nm

Custom Wavelength:

xxxx = xxxx nm

Standard:

1030 nm, 100 W

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