

## 2 Micron CW Fiber Laser

### AP-CW

With their compact size, high efficiency, low maintenance, and ease of operation, AdValue Photonics' 2 $\mu$ m fiber lasers provide many advantages over traditional bulk Holmium and Thulium solid state lasers.

#### Applications:

- LIDAR
- Gas sensing
- Mid-IR generation
- Test and measurement
- Research & development

#### Features:

- Customizable operating wavelength
- Near diffraction limited beam quality
- Turn-key system with no maintenance required



#### Optical Characteristics:

| Parameter            | Specification                                                   |
|----------------------|-----------------------------------------------------------------|
| Operation mode       | CW                                                              |
| Operating wavelength | 1950 nm (option: 1900-2100 nm)                                  |
| Wavelength accuracy  | $\pm 5$ nm nominal                                              |
| Output power         | 200 mW (higher or lower power available)                        |
| Power adjustment     | 10-100% max.                                                    |
| Spectral linewidth   | < 1 nm                                                          |
| Beam quality, $M^2$  | < 1.1                                                           |
| Output polarization  | Random (option: linear polarization)                            |
| Output fiber         | SMF-28 single mode fiber, 3 mm jacket, 1 m length, no connector |

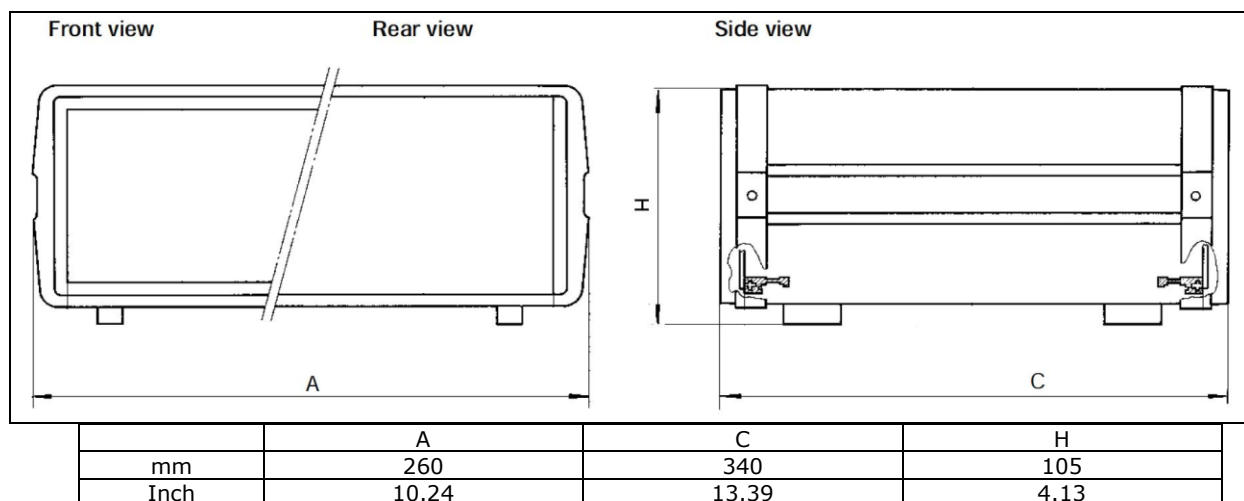
(For special requirement, please contact AdValue Photonics for options.)

*Specifications subject to change without notice*

## General Characteristics:

| Parameter             | Specification                         |
|-----------------------|---------------------------------------|
| Operating temperature | 10 to +35 °C                          |
| Storage temperature   | -10 to +70 °C                         |
| Cooling               | Forced air                            |
| Power requirement     | AC 100~240 V (50/60Hz)                |
| Warm-up time          | 10 minutes                            |
| Package dimensions    | Standard: 105(H) x 260(W) x 340(D) mm |

## Mechanical Outline:



## Ordering Information:

|              |       |   |                                                                                |   |                                                |   |                                                                       |
|--------------|-------|---|--------------------------------------------------------------------------------|---|------------------------------------------------|---|-----------------------------------------------------------------------|
| Part Number: | AP-CW | - | xxxx                                                                           | - | mxxx                                           | - | xx                                                                    |
|              |       |   | Standard Wavelength:<br>1950 = 1950 nm<br>Custom Wavelength:<br>xxxx = xxxx nm |   | Output Power:<br>m050 = 50 mW<br>m200 = 200 mW |   | Polarization:<br>RP = random polarization<br>LP = linear polarization |