

2 Micron Q-Switched Fiber Laser

AP-QS

This world's first 2 μ m Q-switched fiber laser offers nanosecond pulses and single-mode fiber output, suitable as a seed laser and providing a new tool to research and industrial applications.

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

Applications:

- Mid-IR generation
- Nonlinear optics studies
- Spectroscopy
- Research & development



Features:

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



Optical Characteristics:

Parameter	Specification
Operation mode	Pulsed
Operating wavelength	1.95 μ m (option: 1.92-2.0 μ m)
Average power	100 mW (higher or lower power available)
Pulse repetition rate	10 to 30 kHz
Pulse width (nominal)	20 to 200 ns options
Pulse energy	5 μ J (higher or lower pulse energy available)
Beam quality, M^2	< 1.1
Output power stability	< 5%
Output polarization	Random (option: linear polarization)
Output fiber	SMF-28 single mode fiber, 3 mm jacket, 1 m length, no connector

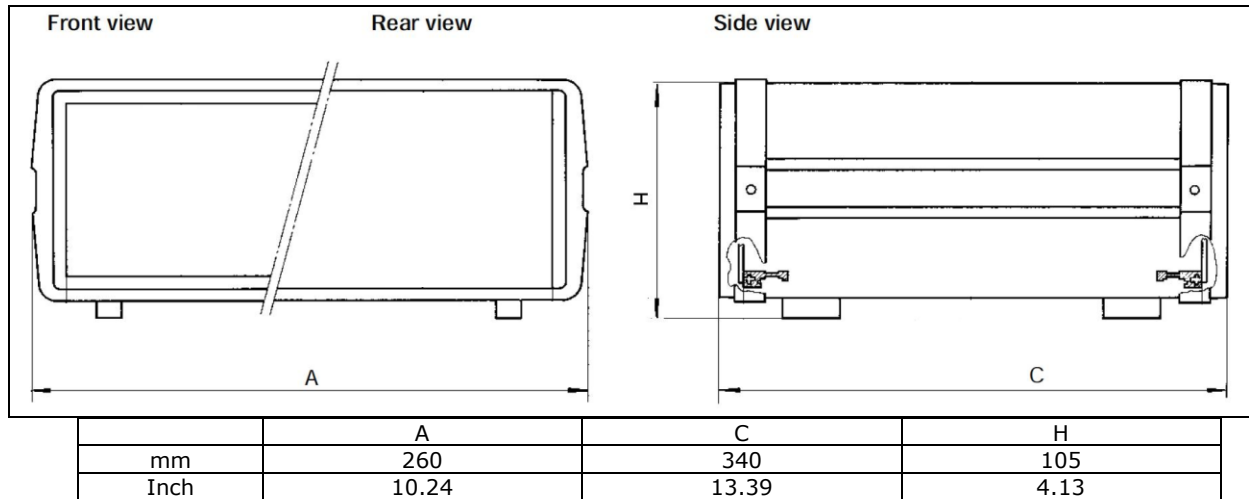
(For special requirement, please contact AdValue Photonics for options.)

Specifications subject to change without notice

General Characteristics:

Parameter	Specification
Operating temperature	0 to +40 °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	260(W) x 340(D) x 105(H) mm

Mechanical Outline:



Ordering Information:

Part Number:	AP-QS	-	xxxx	-	mxxx	-	xx
			Standard Wavelength: 1950 = 1950 nm Custom Wavelength: xxxx = xxxx nm		Output Power: m100 = 100 mW		Polarization: RP = random polarization LP = linear polarization



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