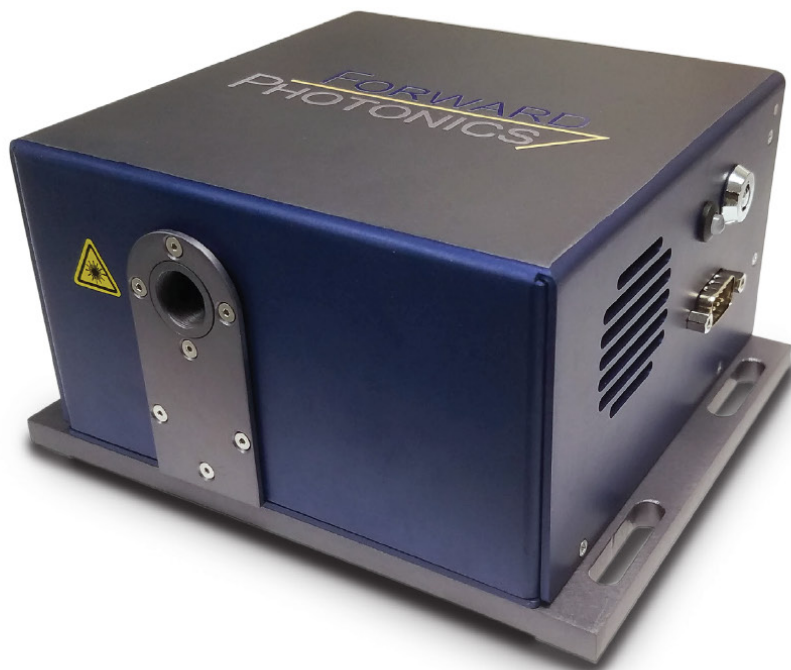


QUANTUM BLADE NANO

COMPACT MID-INFRARED LASER



> 2.0 W TURNKEY MID-INFRARED LASER SYSTEM

	Unit	Typical	Comment
Center Wavelength	μm	3.95	3.8 - 11 available
Spectral Bandwidth	nm	70	99% PC
Peak Output Power	W	>1.5	>2.0 option
Beam Diameter (V x H)	mm	2.9 x 2.0	D4σ
Divergence (V x H)	mrad	2.8 x 3.8	Full Angle D4σ
Beam Height	in	2.0	
Dimensions (L x W x H)	in	5.5 x 5.5 x 3	See Note 1
Ambient Operating Temperature	°C	5-45	See Note 2
Input Electrical Requirements	°C	100-240 VAC 50-60 Hz, 3.2 A Max	External adapter included

Disclaimer: Specifications subject to change without notice

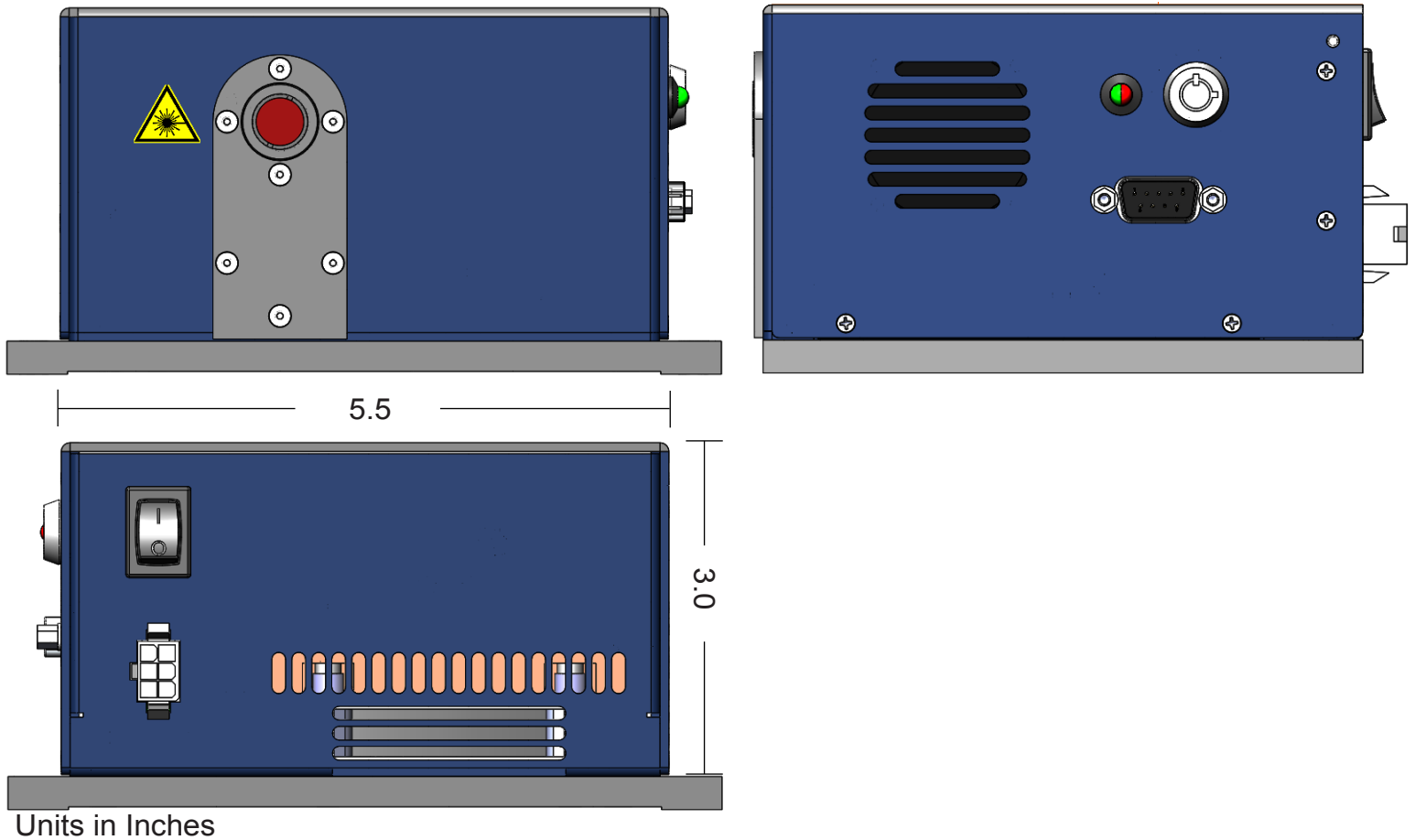
Note 1: 2 W option may have increased dimensions

Note 2: Ambient range may be extended if needed



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MECHANICAL DIMENSIONS



PINOUT

	1	Interlock A	4	Serial TX	7	Reset
	2	Interlock B	5	Enable	8	+5V
	3	Serial RX	6	Status	9	Ground

FEATURES

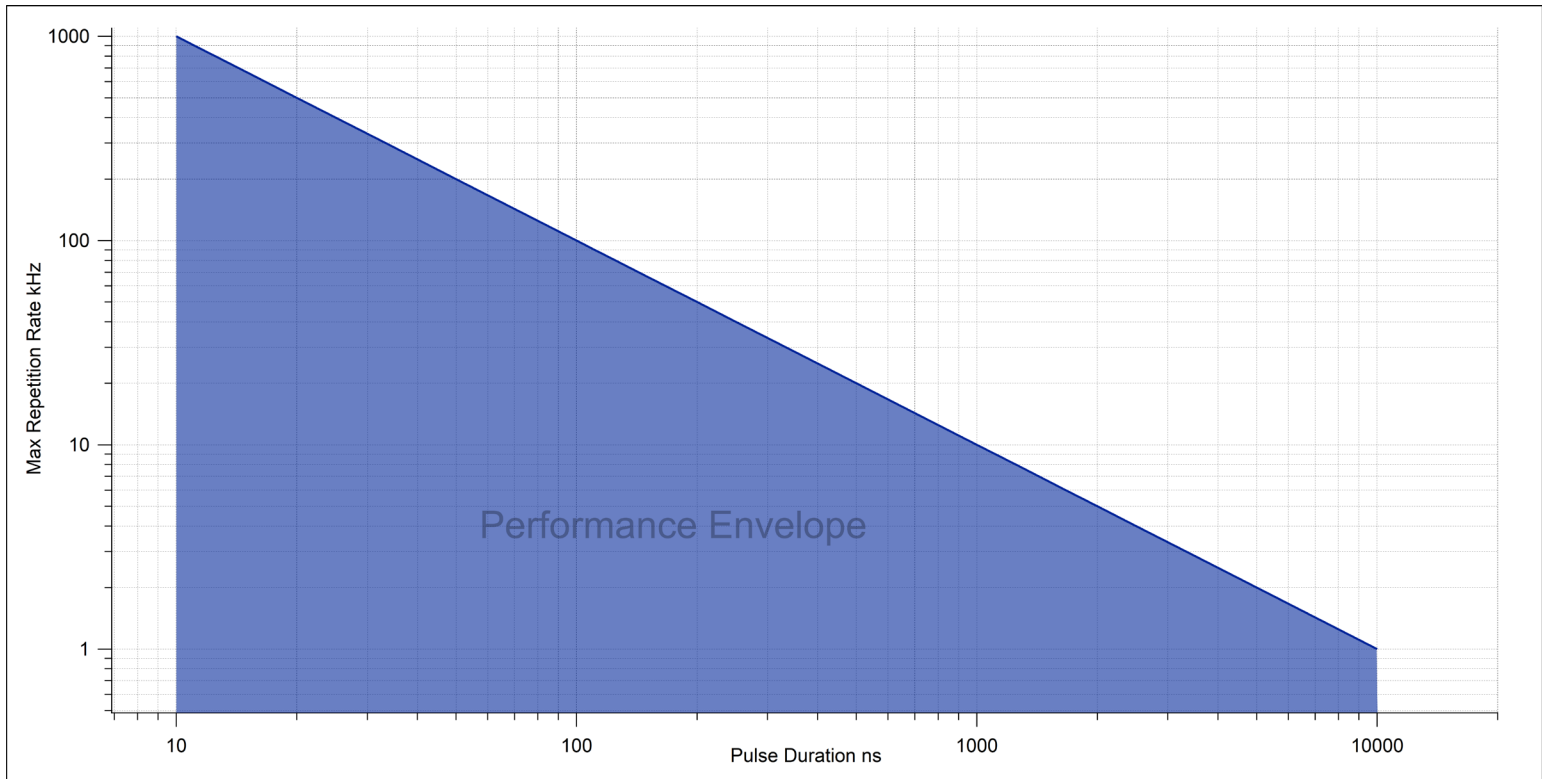
- D-sub connection for external modulation/control
- Keyed safety interlock switch and external connections
- Multicolor status LED
- Thermal stabilization and overtemperature shutoff
- Serial Communication

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FAST PULSED OPTION PERFORMANCE



FAST PULSED OPTION PARAMETERS

- Pulse duration: 10 ns - 10 μ s
- Repetition Rate: single shot to 1 MHz
- Maximum duty cycle: 10%
- External Modulation
- 50 Ω BNC connection
- Custom interface cables available

ADDITIONAL PULSED OPTIONS AVAILABLE

- Long pulse duration
- Analog modulation

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