

NewV

261 nm Laser Module



DESCRIPTION

Power Technology's NewV laser delivers unique deep ultraviolet light for a variety of applications. Unlike many UV lasers, the NewV laser produces greater than 10 mW of continuous wave (CW) light at 261 nanometers. Its compact size, wide operating temperature range, and low-divergence output beam enables easy integration into fixed, portable, and handheld systems. The laser modules are designed for use in disinfection, inspection, fluorescence, and UV Raman spectroscopy applications. The platform features an onboard microprocessor allowing for advanced user control and monitoring, as well as a precision current source and ultra-stable temperature control.

APPLICATIONS

- Disinfection
- Raman Spectroscopy
- Fluorescence
- Inspection

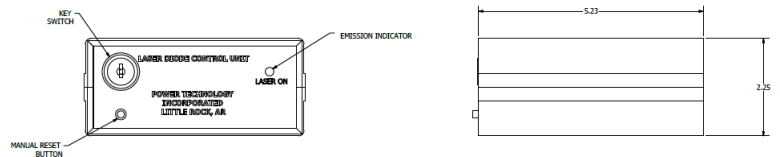
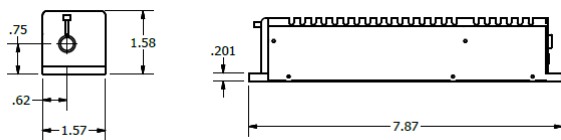
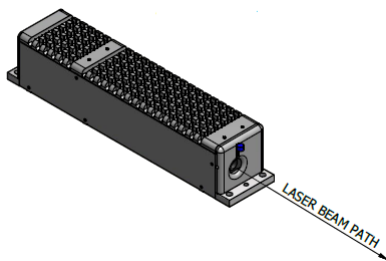
FEATURES & BENEFITS

- Narrow Linewidth
- 261 nm Deep Wavelength
- 10 mW Continuous Wave Output
- Onboard Microprocessor

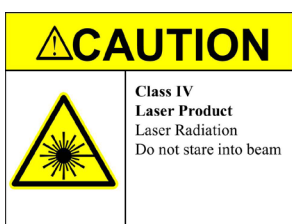
SPECIFICATIONS

	OEM Laser	120 V AC System	220 V AC System
Wavelength (nm)	261.4	261.4	261.4
Output Power (mW)	> 10mW	> 10mW	> 10mW
Beam Size @ Exit [mm ²]	0.2 x 0.6	0.2 x 0.6	0.2 x 0.6
Divergence [mrad]	2.5 x 6.5	2.5 x 6.5	2.5 x 6.5
Linewidth (pm)	< 100	< 100	< 100
Beam Quality Factor M ²	~1.1 x ~6.5	~1.1 x ~6.5	~1.1 x ~6.5
Operating Temperature	15 - 30	15 - 30	15 - 30
Normalized Astigmatism	~1.5	~1.5	~1.5
Power Stability (8h APC mode) %	2.5	2.5	2.5
Module Dimensions (inches)	1.57 x 1.58 x 7.87	1.57 x 1.58 x 7.87	1.57 x 1.58 x 7.87
Power Supply Dimensions		5.16 x 5.23 x 2.25	5.16 x 5.23 x 2.25
Typical Supply Voltage	8 VDC	120 VAC	220 VAC
Warranty	1 year	1 year	1 year

MECHANICAL DRAWINGS



SAFETY WARNINGS



COMPLIANT & REGISTERED

