

### Applications

- SHG Application
- Medical
- Industrial
- Fiber Optic Sensing
- Laboratory

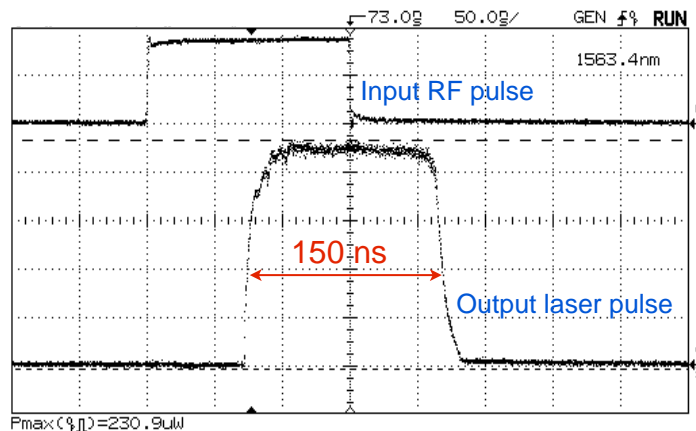


### Description

Amonics' specialized products, 1064nm Pulse Laser with high pulse peak power. The laser Features tunable pulse width from 10ns to 1us and does not require short pulse driving source. The lasers are ideal for applications required laser emission with high pulse peak power. The turnkey microprocessor controlled benchtop pulse laser manage alarms and status indicators. An integrated RS232 computer interface enables easy control, diagnostic functions and data acquisition. Available options include single frequency operation, linearly polarized operation.

### Key Features

- Turnkey device
- RS232 computer interface
- High output power
- Single mode fiber delivery
- Highly reliability
- Two year warranty



**Standard 1064nm Pulse Laser Specifications**

	<b>APLS-1</b>
Pulse Peak Power	Typ. 1W min. 700 Mw
Center Wavelength	1064 nm typical
Pulse Width	5 ns to 1 us (duty cycle < 10 percent, repetition rate < 17 MHz)
On/Off Extinction ratio	> 25 dB
Output Isolation	> 30 dB
Trigger voltage	TTL (standard)

\* Other output power models are available upon request

**General Environmental Parameters**

Parameter	Unit	Specification
Operation Temperature Range	°C	0 to + 40
Storage Temperature Range	°C	- 10 to + 70
Power Supply	VAC	90 – 240, 47 – 63Hz
Dimensions	mm	260(W) x 330(L) x 120(H)
Control	-	Keylock switch, optical output power
LCD Display	-	Output power laser current
Computer Interface	-	RS232 (Labview control software & connection cable included)
Protection	-	Pump laser over heat warning
Optical Connector	-	FC/APC, FC/UPC, SC/APC, SC/UPC
Optical Fiber	-	HI 1060

**Option :**

- Linear polarized
- APC or AGC Control Mode
- Input Power Monitoring
- Benchtop or 2U 19" Rackmount Housing



**Ordering Information**

Product Code	APLS- <b>www-xx-y-zz</b>	<p><b>www</b> : Wavelength in nm</p> <p><b>xx</b> : Output Power in W</p> <p><b>y</b> : B for Benchtop case, R for 19" Rackmount case</p> <p><b>zz</b> : FA for FC/APC, FC for FC/UPC</p> <p>SA for SC/APC, SC for SC/UPC</p>
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Amonics undertakes a continuous and intensive product development to ensure its products perform to highest technical standards As a result, the specifications in this document are subject to change without notice.

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