

## Q-Switched CO<sub>2</sub> LASER

Model L50Q

### SPECIFICATIONS

**Pulse energy:** up to 500  $\mu$ j  
**Peak power:** up to 1000 watt  
**Pulse length:** <500 ns  
**Pulse Repetition frequency:** up to 60 kHz  
**Wavelength:** 10.6  $\mu$ m nominal, 9.3  $\mu$ m optional  
**Cooling requirement:** water cooling 1GPM

**Power stability:**  $\pm$ 5% typical  
**Average power:** 15 watts  
**Laser beam parameters:** Near TEM<sub>00</sub>,  
 $M^2 < 1.3$ ; beam diameter at exit: 2.8 mm;  
 beam divergence angle: 6 mrad  
**Dimensions:** 32" x 6" x 3"

**Options:** Consult the factory for desired options.

- \* We strive to satisfy custom requirements. Please contact us if you have other special needs.
- \* Specifications subject to change without notice.

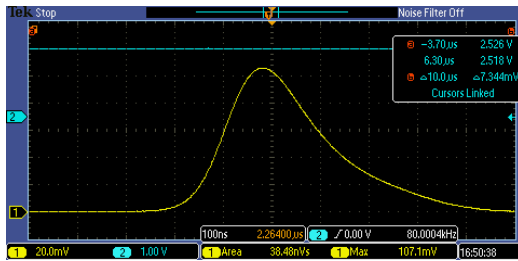


Figure 1. Pulse detail

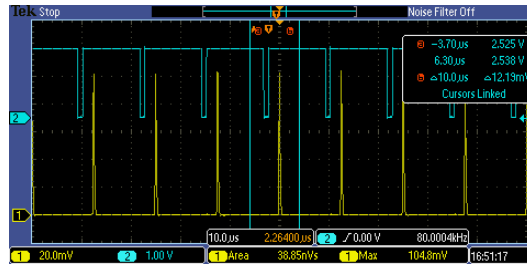


Figure 2. Pulse train (yellow trace)

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