

MPL-SU-473/1uJ/1~10mW

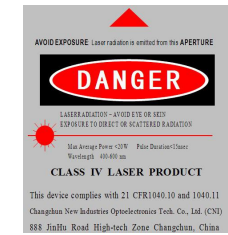
### LD PUMPED ALL-SOLID-STATE Q-SWITCHED LASER

All solid state Q-switched laser at 473nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in marking, carving, measure, research and so on.

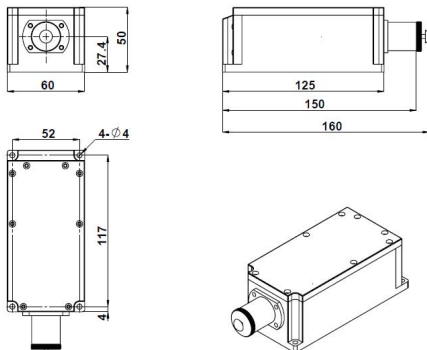
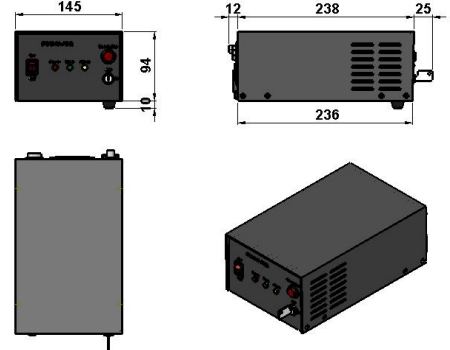
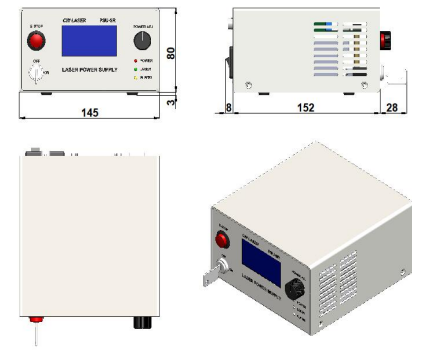


#### SPECIFICATIONS

Central wavelength (nm)	473 ± 1	
Operating mode	Q-switched pulsed laser	
Single pulse energy (μJ)	1	
Pulse duration (ns)	~7	
Peak power (W)	140	
Rep. rate (kHz)	FIXED	Setting 1Hz-4kHz with stable pulse energy, pulse duration and pulse period, other frequencies are optional.
	EXT TRIG	1Hz-4kHz by external trigger with stable pulse energy, pulse duration and pulse period, other frequencies are optional.
	QCW	QCW state with one rep. rate between 5k-9kHz.
Average power (mW)	Average power (mW) = Single pulse energy (μJ) * Rep. rate (kHz)	
Ave power stability (over 4 hours)	<5%, <10%	
Transverse mode	Near TEM <sub>00</sub>	
Warm-up time (minutes)	<10	
M <sup>2</sup> factor	<2.0	
Beam divergence, full angle (mrad)	<1.5	
Beam diameter at the aperture (mm)	~1.2	
Beam height from base plate (mm)	27.4	
Operating temperature (°C)	10~35	
Power supply (90-264VAC)	PSU-H-FDA/ PSU-SR	
Expected lifetime (hours)	10000	
Warranty period	1 year	



Note: The laser head needs to be used on a heat sink with good heat dissipation.

MPL-SU-473	PSU-H-FDA	PSU-SR
 <p>160(L)×60(W)×50(H) mm<sup>3</sup>, 0.9kg</p>	 <p>275(L)×145(W)×104(H) mm<sup>3</sup>, 2.3 kg</p>	 <p>188(L)×145(W)×83(H) mm<sup>3</sup>, 1.2kg</p>