

LPS-T-710-810/1~20mJ

## HIGH ENERGY LAMP PUMPED ALL-SOLID-STATE Q-SWITCHED LASER

High energy lamp pumped all solid state Q-switched laser at 710~810nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in photoacoustic imaging, medical applications, Biology, vibrational spectrum, scientific research, and so on.



### SPECIFICATIONS

	LPS-T-I	LPS-T-II
Wavelength (nm)	765~800	710~810
Spectral width	<math><1.8\text{nm}</math> (1.2~1.8nm@different Wavelength )	<math><3\text{nm}</math>
Spectral resolution	1nm	1nm
Operating mode	Q-switched: EOM (Electro-optic modulation)	
Single pulse energy (mJ)	1~20mJ	1~8mJ
Pulse duration (ns)	$\leq 15$	
Rep. rate (Hz)	1~20 (adjustable)	
Energy stability	$\leq 8\%$	
Beam divergence, full angle (mrad)	~5	
Beam diameter (mm)	~7	
Warm-up time (minutes)	<math><15</math>	
Cooled method	Water Cooled	
Operating temperature ( $^{\circ}\text{C}$ )	15~35	
Power supply	AC 220V	
Expected lifetime( pulses)	$10^7\sim 10^8$	
Warranty period	1 year	