

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)	≤ 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	Air Cooled	
Operating temperature ($^{\circ}\text{C}$)	15~35	
Power supply	AC 220V	
Expected lifetime(pulses)	$10^7\sim 10^8$	
Warranty period	1 year	