

LPS-TUN-420-1200/1-20mJ

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

High energy lamp pumped all solid state Q-switched laser at 420-1200nm has the features of high single pulse energy, short pulse duration, and high peak power, which is widely used in material Analysis, Laser induced, fluorescence Combustion studies, remote sensing, multiphoton interactions, Medical & Biotechnology, and so on.



SPECIFICATIONS

Signal Wavelength (nm) ¹	420-670
Idler Wavelength (nm) ¹	750-1200
Spectral width	0.5-6nm
Operating mode	Actively
Single pulse energy (mJ)	up to 20mJ
Pulse duration (ns)	<8
Rep. rate	10Hz
Energy stability (std dev/mean)	<10%@492nm
Beam divergence, full angle (mrad)	5-30
Beam diameter (mm)	~15
Warm-up time (minutes)	<15
Cooled method	Water cooled
Operating temperature (°C)	15-35
Power supply (110/220VAC)	PSU-LPS-TUN
Expected lifetime (pulses)	10 ⁷ -10 ⁸

¹ Wavelength tunable.