

MPL-H-1573/1~20μJ/1~50mW

LD PUMPED ALL-SOLID-STATE Q-switched LASER


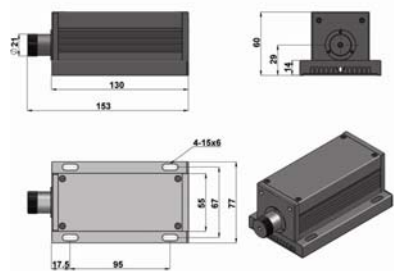

All solid state Q-switched laser at 1573nm has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in Laser Telemeter, Laser Surveying, Remote Sensing, LIBS, Laser micro-processing, Laser communication



SPECIFICATIONS

Wavelength (nm)		1573 ± 1
Operating mode		Q-switched pulsed laser
Max average power (mW)		Single pulse energy (μJ) * Rep. rate (kHz)
Single pulse energy (μJ)		1~20
Pulse duration (ns)		<1.3
Peak power (kW)		~15
Rep.rate(kHz)	Controllable	1Hz~1kHz
	Uncontrollable	1kHz ~5kHz
Ave power stability (over 4 hours)		<1%, <3%, <5%
Transverse mode		TEM ₀₀
Warm-up time (minutes)		<10
M ² factor		<1.5
Beam divergence, full angle (mrad)		<1.5
Beam diameter at the aperture (mm)		~1.5
Beam height from base plate (mm)		29
Operating temperature (°C)		10~35
Power supply (90-264VAC)		PSU-H-FDA
Expected lifetime (hours)		10000
Warranty		1 year



MxL-H-1573	Dimensions	PSU-H-FDA	Dimensions
 <p>153(L)×77(W)×60(H) mm³, 0.9 kg</p>		 <p>238 (L) ×146(W) ×102 (H) mm³, 2.3 kg</p>	