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DATA SHEET

LD PUMPED ALL-SOLID-STATE Q-switched LASER AT 1573nm

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.

Model: MPL-H-1573/1~50μJ

Wavelength (nm)		1573 ± 1
Operating mode		Q-switched pulsed laser
Max average power (mW)		50
Single pulse energy (μJ)		1~50
Pulse duration (ns)		1~2
Peak power (kW)		~25
Rep.rate (KHz)	Controllable	0.1Hz~1KHz
	Uncontrollable	1KHz~2KHz
Ave power stability (rms, over 4 hours)		<1%, <3%, <5%, <10%
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 plage (mm)		29
Operating temperature (°C)		10~35
Power supply (90-264VAC)		PSU-H-FDA
Expected lifetime (hours)		10,000
Warranty period		1 year



MxL-H-1573	Dimensions	PSU-H-FDA	Dimensions
	<p>154.5(L) × 77(W) × 60(H) mm³, 0.9kg</p>		<p>275(L) × 145(W) × 104(H) mm³, 2.3kg</p>