Lasertack New Laser Generation

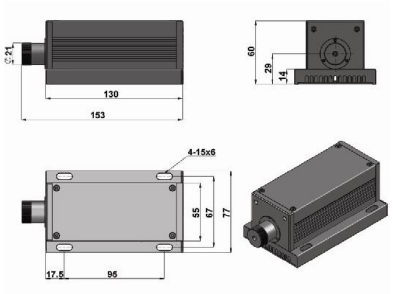
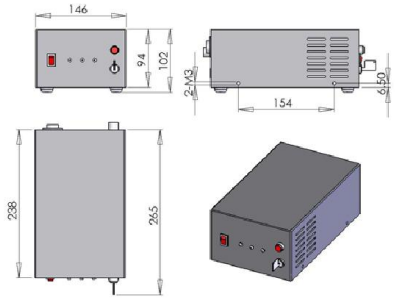
MPL-H-1573/1~50uJ

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.

SPECIFICATIONS

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 (over 4 hours)		<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 (℃)		10~35
Power supply (90-264VAC)		PSU-H-FDA
Expected lifetime (hours)		10000
Warranty		1 year

MxL-H-1573	Dimensions	PSU-H-FDA	Dimensions
153(L)×77(W) ×60(H) mm^3, 0.9 kg		238 (L) ×146(W) ×102 (H) mm^3, 2.3 kg