

MPL-F-1030/1~150uJ /1~300mW



**LD PUMPED ALL-SOLID-STATE
INFRARED LASER AT 1030 nm**

All solid state 1030 nm infrared laser is made features of ultra compact, long lifetime, cost-effectiveness and easy operating, which is widely used in scientific experiment, laser fluorescence, etc.



SPECIFICATIONS

Central wavelength (nm)	1030±2
Output average power (mW)	1~300
Transverse mode	Near TEM ₀₀
Operating mode	Q-switched pulsed laser
Single pulse energy (μJ)	1~150
Pulse duration (ns)	~10
Peak power (W)	15000
Rep. rate (kHz)	QCW
Average power (mW)	QCW state with one rep. rate between 1kHz-2kHz.
Ave Power stability (rms, over 4 hours)	Average power (mW) = Single pulse energy (μJ) * Rep. rate (kHz) <5%, <10%
Beam diameter at the aperture 1/e ² (mm)	~3.0
Beam divergence, full angle (mrad)	<2.0
Warm-up time (minutes)	<10
M ² factor	<2
Beam height from base plate (mm)	45
Operating temperature (°C)	10~35
Power supply (80-264VAC)	PSU-H-LED/ PSU-H-FDA
Expected lifetime (hours)	10000
Warranty period	1 year



MPL-F-1030	PSU-H-LED	PSU-H-FDA
<p>211 (L)×88(W)×74(H) mm³, 1.6 kg</p>	<p>277 (L)×145(W)×106 (H) mm³, 2.6 kg</p>	<p>275(L)×145(W)×104(H) mm³, 2.3 kg</p>