



MPL-U-532B

LD PUMPED ALL-SOLID-STATE PASSIVELY LASER



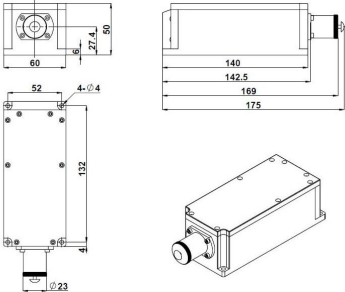
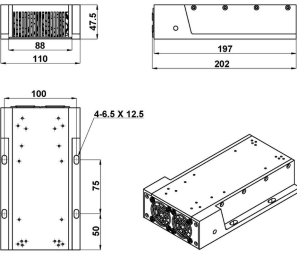
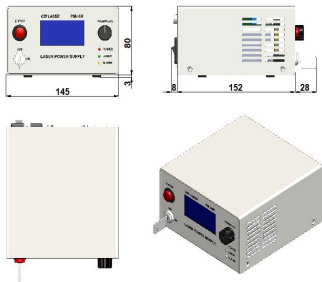
All solid state passively laser has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in industry (marking on the diamond or stone), teaching of nonlinear optics, fiber communication, etc.



SPECIFICATIONS

Wavelength (nm)		532±1	
Operating mode		Passively	
Average power (mW) ¹		3-40	3-120
Single pulse energy (μJ) ²		5-40	5-30
Pulse duration (ns)		~0.5	~0.7
Peak power (kW)		10-80	7.1-42.9
Rep. rate	Int ³	1Hz-1kHz	1-4kHz
	Ext ⁴	1Hz-1kHz	1-4kHz
Power stability (rms, 4 hours ±3°C)		<3%, <2%, <1%	
Transverse mode		TEM ₀₀	
M ²		<1.3	
Beam diameter at the aperture (mm)		~1.0	
Beam divergence, full angle (mrad)		<1.5	
Polarization ratio		>100:1, 45 degrees polarization	
Warm-up time (minutes)		<5	
Beam height from base plate (mm)		27.4	
Operating temperature (°C)		10-35	
Power supply (100-240VAC)		PSU-SR	
Expected lifetime (hours)		>10000	



LASER HEAD ⁵	HEATSINK (optional TC-02-FS)	POWER SUPPLY (PSU-SR) ⁶
 175(L)×60(W)×50(H) mm³, 1.0kg	 202(L)×110(W)×47.5(H) mm³, 1.25kg	 188(L)×145(W)×83(H) mm³, 1.2kg

1 Average power (mW)= Single pulse energy (μJ)* Rep. rate(kHz)

2 Any energy level can be selected within this range.

3 The frequency is selectable from one or five discrete values within the range.

4 External triggered.

5 The laser head needs to be used on a heat sink with good heat dissipation.

6 Fixed output energy.