

MPL-U-532C

LD PUMPED ALL-SOLID-STATE PASSIVELY LASER

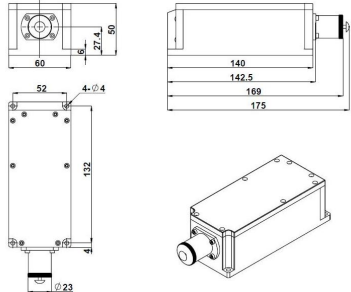
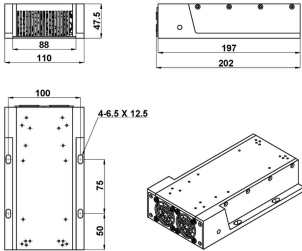
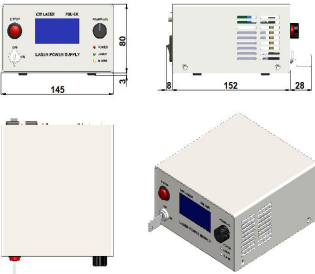


All solid state passively laser has the features of high peak power, high repetition rate, and short pulse duration, which is widely used in industry (marking on the diamond or stone), teaching of nonlinear optics, fiber communication, etc.



SPECIFICATIONS

Wavelength (nm)	532±1
Operating mode	Passively
Average power (mW) ¹	45-75
Single pulse energy (μJ) ²	~1.5
Pulse duration (ns)	~0.5, (~0.4 optional)
Peak power (kW)	~3
Rep. rate ³	30-50kHz
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 ⁴	HEATSINK (optional TC-02-FS)	POWER SUPPLY (PSU-SR) ⁵
 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 rep.rate is a free running value within this range.

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

5 Fixed output energy.