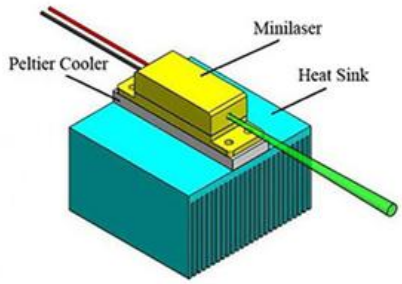
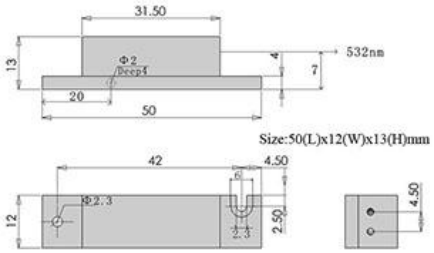
532nm Lasers with Spacial Output Using MgO:PPLN Crystals

- **Small and compact in size**
- **High power**

The 532nm laser systems have been developed based on the MgO:PPLN techniques, it is spacial output, small sized and high output power. The lasers are used in the laser display, bio-medical and lighting applications.





SPECIFICATIONS

Specifications	
Wavelength (nm)	532
Output power (mW)	500-1000
Shape of beam spot	Circular
Working mode	Continuous /modulated
Power stability	<3%
Divergence (mrad)	10~20
State of polarization	Linear
Working temperature (℃)	25+/-2
Working Current (A)	3/5+/-0.2
Working Voltage (V)	~2
Heat of TEC (W)	~ 5/9
Electric to optical conversion efficiency (TEC power not included)	~16%
Optical to optical conversion efficiency	~30%
Lifetime (depends on 808 LD) (hours)	10000

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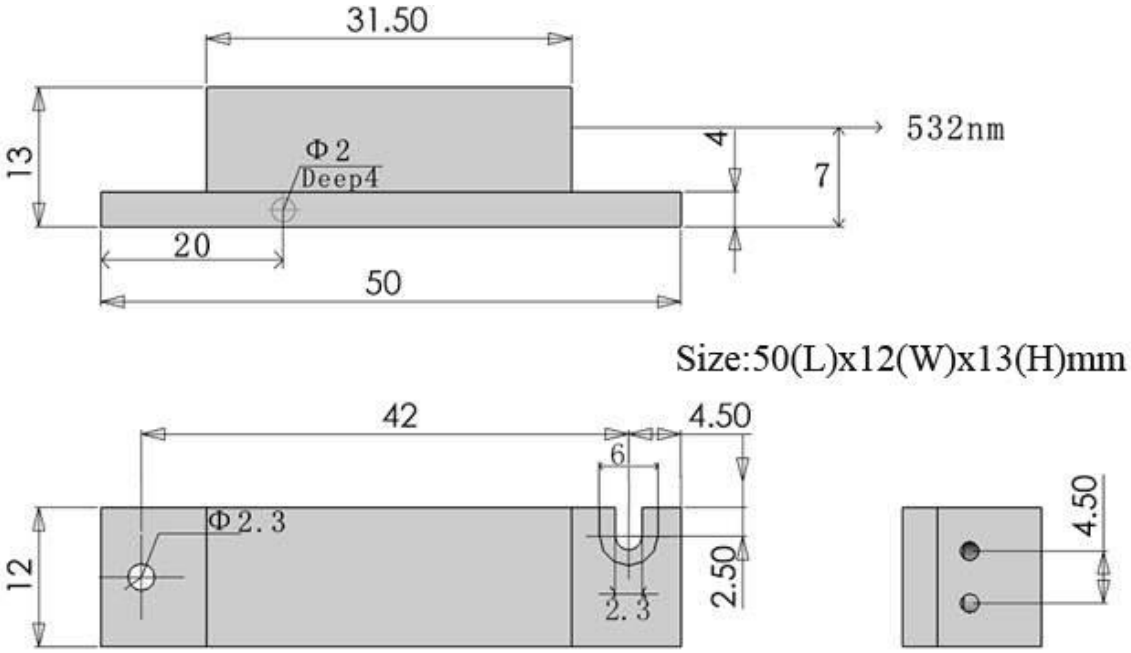
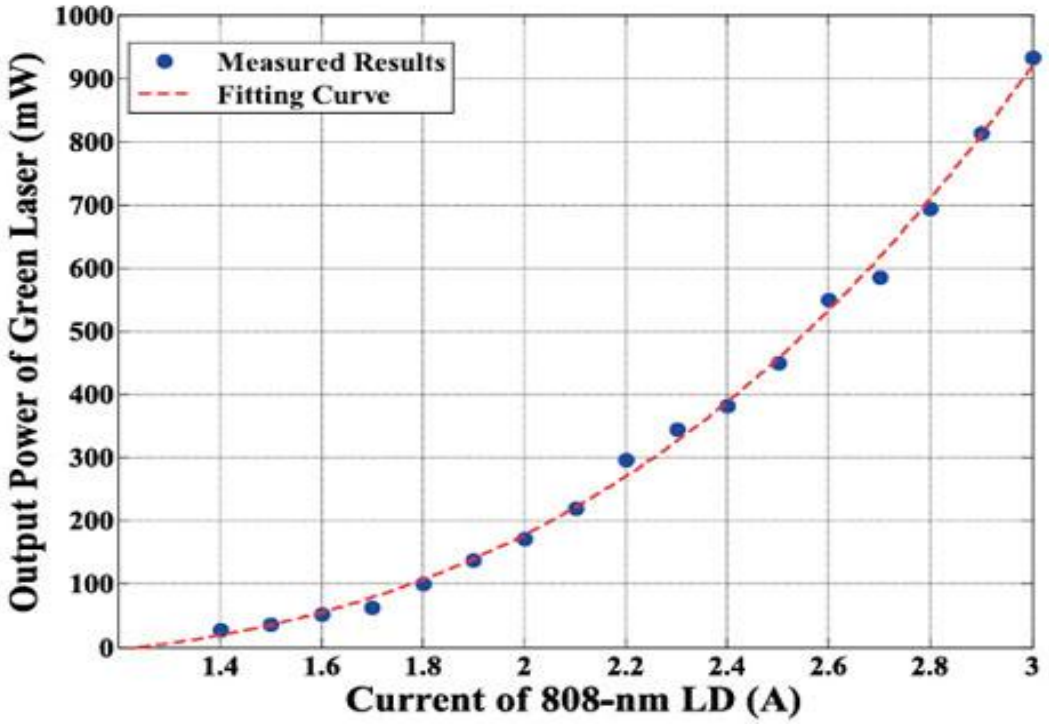
Application Notes

1) Dimension of the lasers



2) Power to current response curve



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