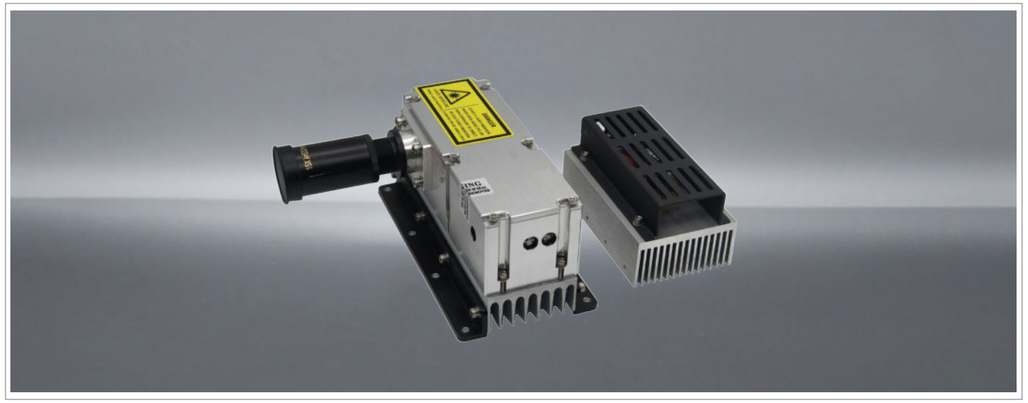
532nm Nd:YAG q-switched picosecond laser ME Microchip laser system



DESCRIPTION

532nm laser is one of the most common lasers used in most fields. It can emit excellent green light. It is based on Nd:YAG crystal. Frequency doubling technology is used in Crylink's 532nm laser. As a perfect picosecond laser, our 532nm laser has version of 300ps.

Like our all lasers, 532nm laser has very pure pulsed output. Thus, stability and high quality have become synonymous with our 532nm laser. Good penetrability and strong anti-interference of stray light makes our 532nm laser can adapt most situations.

532nm laser is commonly used in industrial field, like laser engraving and etching to print circuit boards, micromachining, and so on. Medical field is another common field for 532nm laser. Our 532nm laser is suitable for yag laser eye surgery. Laser ultrasound, laser induced fluorescence, solid state lidar, and et al, are also its competent field.

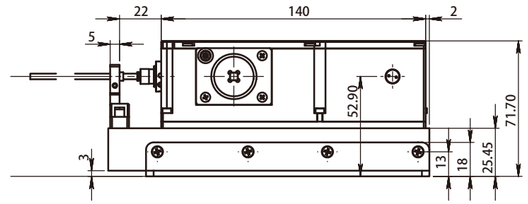
FEATURES

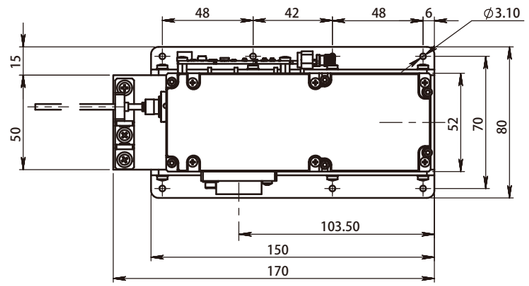
- The repetition frequency can reach 20kHz
- Fully sealed design, high reliability
- Compact structure, high cost performance

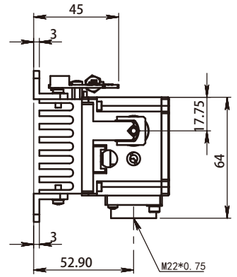
APPLICATIONS

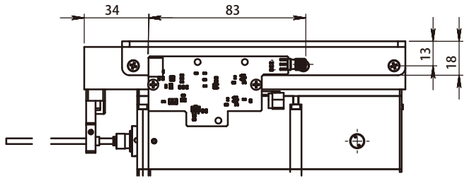
- Glass, ceramic, gem, plastic marking
- Laser microprocessing
- Analysis instrument
- Bioluminescent molecule

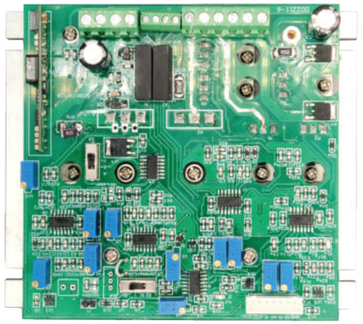
OUTLINE SIZE(mm)











www.dpssl-crylink.com +86-21-69913696
sales@crylink.com Building 5, No. 599 Huiwang East Road, Jiading District, Shanghai, China

PARAMETERS

Model		CL532-2.5kHz-300μJ-ME001	CL532-5kHz-200μJ-ME002	CL532-7kHz-140μJ-ME003
Optical parameter	Wavelength (nm)	532	532	532
	Repetition frequency (kHz)	2.5	5	7
	Average power (mW)	750	1000	1000
	Output energy (μJ)	300	200	140
	Pulse width (ns)	3	5	7
	Power stability (8h)	±3%	±3%	±3%
	Beam mode	TEM_{00}	TEM_{00}	TEM_{00}
	Collimating spot diameter (mm)	≈9	≈9	≈9
	Full divergence Angle Typ.(@1/e, mrad)	⩽1	⩽1	⩽1
	Polarization characteristics	>100:1	>100:1	>100:1
System parameters	Power input	12V, >180W	12V, >180W	12V, >180W
	External trigger control	Gated, 5V TIL, high level enabled	Gated, 5V TIL, high level enabled	Gated, 5V TIL, high level enabled
	Laser head size (WxHxL.mm)	60x39x158	60x39x158	60x39x158
	Operating temperature (℃, need to provide air cooling heat dissipation)	15~35	15~35	15~35
	Storage temperature (℃)	-40~65	-40~65	-40~65

1. The external beam expanding function can be customized to meet the requirements of small divergence Angle (beam expanding mirror magnification 5-20X).
2. Control the temperature of the laser head. It is recommended that the temperature of the bottom plate be within the range of 15-35 °C