

## **新产业光电技术**有限公司

Changehun New Industries Optoelectronics Tech. Co., Ltd.

DATA SHEET

MGL-FN-543.5/1~100mW



## LD PUMPED ALL-SOLID-STATE **GREEN LASER AT 543nm**

All solid state 543.5nm green laser is made features of high output power stability, good beam profile, ultra compact, long lifetime, low cost and easy operating, which is widely used in collimation, laser medical treatment, scientific experiment, optical instrument, etc.









## **SPECIFICATIONS**

Wavelength (nm)	543.5±1
Operating mode	CW
Output power (mW)	>1, 5, 10, 20,, 100
Power stability (rms, over 4 hours)	<2%, <3%, <5%
Transverse mode	TEM <sub>00</sub>
M <sup>2</sup> factor	<1.2
Beam diameter at the aperture (1/e <sup>2</sup> , mm)	~2.0
Beam divergence, full angle (mrad)	<1.5
Beam height from base plate (mm)	27.4
Polarization ratio	>100:1 Horizontal±5 degree (Vertical Optional)
Warm-up time (minutes)	<10
Pointing stability after warm-up (mrad)	<0.05
Operating temperature (°C)	10~35
Power supply (90-264VAC)	PSU-H-LED/PSU-H-FDA/PSU-SR
Modulation option	TTL on/off, 1Hz-1KHz, 1KHz-10KHz, 10KHz-30KHz; and Analog modulation option
Expected lifetime (hours)	10000
Warranty	1 year





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

