



RLDJ532-5-3



TECHNICAL DATA

Green Diode Pumped Solid State Laser Module

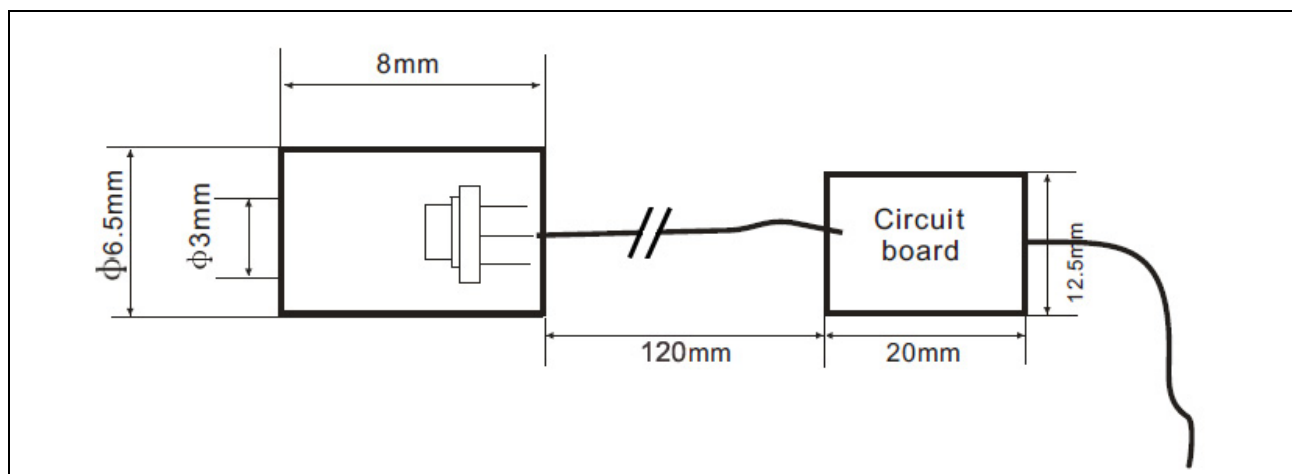
Ultra small size green diode pumped solid state laser module at 532nm, featuring low cost, long lifetime and small size package, which can be used for laser medical treatment, scientific experiment, optical instrument, laser alignment, aiming, etc.

Electro-Optical Characteristics

Item		Value
Wavelength		532 nm
Output Power		5 mW
Transverse Mode		TEM ₀₀
Operating Mode		CW, ACC
Optics		without lens
Beam Divergence, full angle		>10 mrad
Beam Diameter at the aperture		Ø 3 mm
Power Stability		<± 20% @ 15-30°C
Warm-up Time		<15 min
Operating Voltage		DC 3 V
Operating Current		≤250 mA
Dimension	Laser Head	Ø 6.5 x 8 mm
	Driver Board	12.5 x 20 mm
Wire Length		2 x 150 mm
Operating Temperature		-15 ... +30 °C
Expected Life Time		≥5000 hours

Note: The above specifications are for reference purpose only and subjected to change without prior notice.

Package Dimensions





Precaution for Use

1. Safety of Laser light

- DO NOT look directly into the emitting area of the laser during operation!
- Laser Light can damage the human eyes and skin. Do not expose the eye or skin directly to any laser light and/or through optical lens. When handling the laser module, wear appropriate safety glasses to prevent laser light, even any reflections from entering to the eye. Focused laser beam through optical instruments will increase the chance of eye hazard.



2. Static Electricity

- Static electricity or electrical surges will reduce and degrade the reliability of the laser module. So it is recommended that a wrist band and/or an anti-electrostatic glove be used when handling the product.
- All devices, equipment and machinery must be grounded properly. It is recommended that precautions should be taken against surge voltage to the equipment that mounts the laser module.



3. Absolute Maximum Rating

- Active layer of LDs shall have high current density and generate high electric field during its operation. In order to prevent excessive damage, the LD must be operated strictly below absolute maximum rating. The operating current should be decided after considering the ambient maximum temperature of LEDs.



NOTE
LASER MODULE
MUST BE COOLED