

**MediGreen
Series Specifications**

Optical	
Output Power (mW +/- 20%)	3
Laser Classification	3R
Power Stability (%)	20
Wavelength (nm)	532
Wavelength vsTemp (nm/°C)	0.1
Focus Range (mm)	100 to ∞
Beam Size at Aperture (mm)	5
Beam Size at Nearest Focus (µm)	50
Beam Divergence (mrad)	0.05
Beam Position (mrad)	10
Pointing Stability (mrad)	0.02
Electrical/Mechanical	
Supply Voltage - Red Lead (V)	+3.0 to 5.5V
Supply Voltage - Black Lead (V)	0
Operating Current (mA)	300 Typical
Length (mm)	110
Diameter (mm)	17
Mass (g)	60
Supply Lead Length (mm)	250
Environmental	
Operating Temperature (°C)	20-30
Storage Temperature (°C)	-10 - +70
Operating Humidity (%rh)	90
MTTF at 25 °C (x 1,000 hours)	10
<i>Typical values quoted unless otherwise stated. Imatronic reserves the right to modify specifications without notice.</i>	

Options

- Higher Output Powers
- Customer Specific Power Settings
- Customer Specific Packaging

Related Products

- Line Generators
- Cross Generators
- Customer Specific Pattern Generators

Other Products & Services

- Applications Consultancy
- Product and Technical Development
- Lenses

For pricing or further information please contact your local distributor.

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Distributor

Green Laser Series

MediGreen Line Laser



The MediGreen meets the requirements for an industrial grade green line laser diode module. The high visibility green output is required in many medical and industrial applications to give the required contrast on darker subjects.

The MediGreen is self-contained, with no external control units or drivers. The solid state design uses a diode laser to produce a 532nm laser output of a few milliwatts power. The circular output beam is focussable to a high quality line. Alternatively the line generator may be removed to produce a powerful dot

The precision machined housing encloses, protects and stabilises the DPSS laser module, constant current drive circuits and optical assembly. The output beam is shaped by high quality lenses into a narrow, well-defined line.

Features

- Very high visibility
- High quality circular beam
- Includes lens adapters for long lines,
- Good contrast against all coloured backgrounds
- 30 times brighter than 675nm red laser
- Fully adjustable focus for optimum line width
- Operates at long distances
- Compact DPSS laser high luminous efficiency
- Shorter wavelength for high resolution