Gamma Green HV

- Very high visibility
- High quality circular beam
- Includes lens adapters for long lines, and adjustable angle crosses
- 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

The Gamma Green meets the requirements for an industrial grade green 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 Gama Green 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 qulity dot.

Accessory optics convert this to a line or a rotatable axis cross. The cross lines can be adjusted to be at exactly 90°, even when the laser is mounted at an angle to the surface.

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 or adjustable angle cross.

Global Laser
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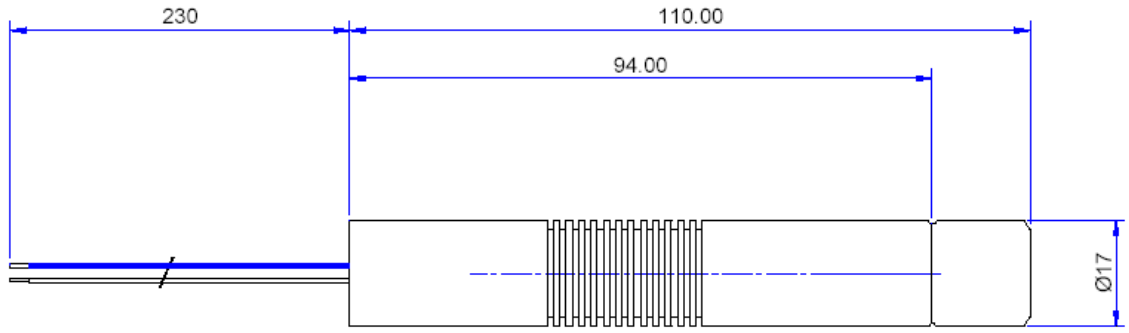
GHV532 Technical Characteristics

Optical	
Output Power (mW +/- 20%)	2
Laser Classification	3R
Power Stability (%)	20
Wavelength (nm)	532
Wavelength vsTemp (nm/°C)	0.1
Focus Range (mm)	100 to infinity
Beam Size at Aperture (mm)	3
Beam Size at Nearest Focus (μm)	50μm
Beam Divergence (mrad)	± 0.1
Astigmatism (μm)	2
Beam Alignment (mrad)	10
Pointing Stability (mrad)	0.02

Electrical/ Mechanical	
Supply Voltage – Red Lead (V)	+3.3 to 6V
Supply Voltage – Black Lead (V)	0
Operating Current (mA)	300 Typical
Length (mm)	100
Diameter (mm)	17
Mass (g)	50
Supply Lead Length (mm)	250

Environmental	
Operating Temperature (°C)	15-35
Storage Temperature (°C)	-10 - +85
Operating Humidity (%rh)	90
MTTF at 25 °C (x 1,000 hours)	10

Line Drawing



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