

# GLDM-4V-520 Laser Module



## Features

- Wide operating temperature range (-15C to +60C)
- Instant laser on
- Stable output power (APC Driver)
- Compact size (dia. 16mm x 50mm long)
- Low beam divergence <0.75mrad
- Variable focus adjustment
- Perfect for long distance use
- Available with range of line generators
- Suitable for outdoor and indoor use
- Ideal for visual alignment applications

OPTICAL PARAMETERS		
<b>Wavelength</b>	520nm	± 1.0nm
<b>Available Powers</b> (Custom power settings are available, some limitations may be present)	1mW (<1mW)	Class 2
	3mW (<3mW)	Class 3R
	5mW (<5mW)	Class 3R
	10mW	Class 3B
	15mW	Class 3B
<b>Beam Size @ 10m (1/e<sup>2</sup>) / shape</b>	10mm diameter – circularity > 0.70	
<b>Beam Divergence</b>	<0.75 mrad	
<b>Power Stability</b>	± 5%, @ constant temperature over 2 hours	
<b>Beam Pointing Stability</b>	± 50µrad, @ 25°C over 2 hours	
<b>Residual IR</b>	0%	

ELECTRICAL PARAMETERS	
<b>Laser Operating Driver</b>	APC
<b>Operating voltage</b>	7V– 8VDC (V.Reg)
<b>Typical Operating Current</b>	<150mA

 **Lambda**  
www.lambdaphoto.co.uk  
T: +44 (0)1582 764334

This product is registered with the FDA in accordance with 21 CFR 1040.10(a)(3)(I) and is compliant with European, and Australia/New Zealand laser safety standards 73/23/EEC - 98/37/EG, 89/336/EEC, EN 50081-1, EN-31252, EN-31252, EN 55022, EN 60825-1 and AS/NZS 2211:1997. The complete laser product manufacturer must supply adequate instructions for installation and servicing of this product. This is not a removable laser system. This product is designed solely as a component in an electronic product and therefore does not comply with the requirements of 21 CFR 1040.10 and 1040.11 for complete laser products. Avoid direct eye exposure to the beam.

# GLDM-4V-520 Laser Module

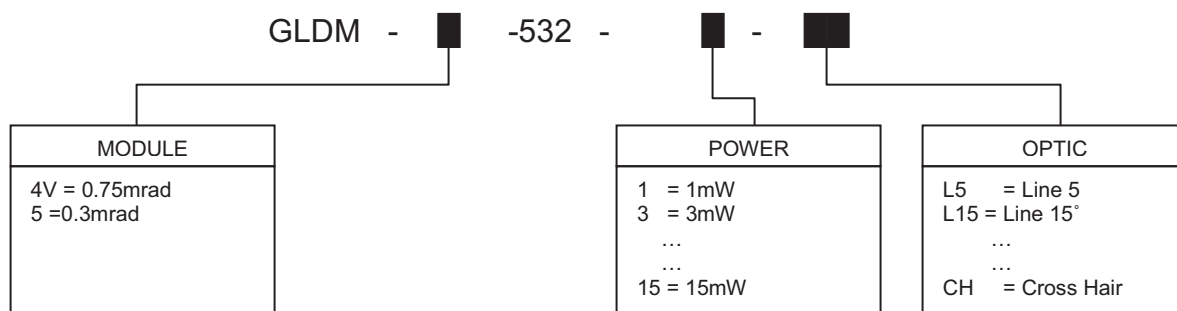


MECHANICAL/ENVIRONMENTAL PARAMETERS	
Mechanical / Optical Alignment	< 5mm @ 3m
Operating temperature	-15 – +60 °C
Storage Temperature	-40 – +80 °C
Operating Humidity	5% - 85% R.H.
Shock	1000g, 1ms, 6 shock
Vibration	20 – 2000Hz, 0.02g <sup>2</sup> /Hz
Expected Lifetime (MTTF)	>5000 hrs
Physical Dimensions	diameter 16mm x 50mm
Optics	Glass or Plastic lens

## Line Generator Options

Product Description	Line Generator Fan Angle
L10	10 degrees
L20	20 degrees
L30	30 degrees
L45	45 degrees
ULG30	30 degrees
ULG60	60 degrees
ULG90	90 degrees
CH	Cross Hair Generator

## Determining Laser Specifications from part number



Other output powers are available as per customer request. Contact LasereX for further details.

This product is registered with the FDA in accordance with 21 CFR 1040.10(a)(3)(I) and is compliant with European, and Australia/New Zealand laser safety standards 73/23/EEC - 98/37/EG, 89/336/EEC, EN 50081-1, EN-31252, EN-31252, EN 55022, EN 60825-1 and AS/NZS 2211:1997. The complete laser product manufacturer must supply adequate instructions for installation and servicing of this product. This is not a removable laser system. This product is designed solely as a component in an electronic product and therefore does not comply with the requirements of 21 CFR 1040.10 and 1040.11 for complete laser products. Avoid direct eye exposure to the beam.