

Green Dot Laser Module			
Specifications	Model Number	VLM-520-02 series	VLM-520-96 LPA
			
Dimensions		Ø10.5 x 26 mm	Ø16.5 x 72.8 mm
Operating voltage		7~10 VDC	3~6 VDC
Operating current		Less than 80mA / 100mA	Less than 120mA
Laser power output		Less than 1mW / 4mW	0~4.25±0.25mW (adjustable)
Laser class		Class 2 / Class 3R	Class 3R
Wavelength		505~530nm	510~530nm
Collimating lens		Plastic lens	Glass lens
Output aperture		4mm	5mm
Beam shape		Ellipse	Ellipse
Spot size		Adjustment focus	Less than 0.2mm at 10mm Less than 8mm at 10M
Divergence (Full Angle)		0.5 mRad	Adjustable 0.4 mRad~12°
Beam alignment		Less than 3°	
Operating temp. range		+10°C ~+40°C	-10°C ~ +60°C
Storage temp. range		-20°C ~+65°C	-20°C ~ +85°C
Housing material		Brass	Aluminum
Potential of housing		VDD(+)	Insulated
Electrostatic discharge (ESD)		30KV	30KV
Moisture sensitivity level (MSL)		Level 1 - acc to JEDEC J-STD-020E.	Level 1 - acc to JEDEC J-STD-020E.
Wire type		1007-26AWG / Spring	2464 2-WIRE CABLE 26 AWG
Cable length		115±15mm / 6.5±1mm	330±30mm
Mean time to failure (MTTF) 25°C		10000hrs	10000hrs
Application		Focus adjustable	Laboratory or medical research, physical-optic experiments
Suggestion work distance		1~30 meters / 3~100 feet	Above 10mm