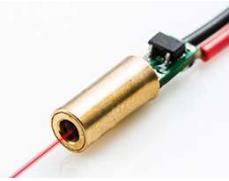


Red Dot Laser Module

Specifications	Model Number	VLM-650-21 series	VLM-650-22 series
			
Dimensions		Ø4 x 15 mm	Ø4 x 15 mm
Operating voltage		3~6 VDC	3~6 VDC
Operating current		Less than 25mA / 30mA	Less than 25mA / 30mA
Laser power output		0.7±0.2mW / 2±0.5mW	0.7±0.2mW / 3±0.5mW
Laser class		Class 2 / Class 3R	Class 2 / Class 3R
Wavelength		645~660nm	645~660nm
Collimating lens		Plastic lens	Glass lens
Output aperture		2.1mm	2.1mm
Beam shape		Ellipse	Ellipse
Spot size		7±1 mm at 5M	10±1 mm at 5M
Divergence (Full Angle)		2.5 mRad	2.5 mRad
Beam alignment		Less than 3°	Less than 3°
Operating temp. range		+15°C ~+30°C	-10°C ~+50°C
Storage temp. range		-20°C ~+65°C	-20°C ~+65°C
Housing material		Brass	Brass
Potential of housing		VDD(+)	VDD(+)
Electrostatic discharge (ESD)		20KV	20KV
Moisture sensitivity level (MSL)		Level 1 - acc to JEDEC J-STD-020E.	Level 1 - acc to JEDEC J-STD-020E.
Wire type		1007-26AWG	1007-26AWG
Cable length		115±15mm	115±15mm
Mean time to failure (MTTF) 25°C		5000hrs	5000hrs
Application		Small size	Small size
Suggestion work distance		1~10 meters / 3~40 feet	1~10 meters / 3~40 feet