

Red Dot Laser Module

Specifications	Model Number	VLM-635-03 series VLM-650-03 series	VLM-635-04 series VLM-650-04 series
			
Dimensions		Ø7 x 21 mm	Ø6.55 x 21.1 mm
Operating voltage		2.6~6 VDC	2.6~6 VDC
Operating current		Less than 35mA / 50mA	Less than 35mA / 50mA
Laser power output		Less than 0.39mW / 1mW / 2.5mW	Less than 1mW / 2.5mW
Laser class		Class 1 / Class 2 / Class 3R	Class 2 / Class 3R
Wavelength		630~645nm / 645~665nm	630~645nm / 645~665nm
Collimating lens		Plastic lens	Plastic lens
Output aperture		3mm	3mm
Beam shape		Ellipse	Ellipse
Spot size		4±1 mm at 5M	6±1 mm at 5M
Divergence (Full Angle)		0.6 mRad	0.6 mRad
Beam alignment		Less than 3°	Less than 3°
Operating temp. range		+15°C ~+30°C	+15°C ~+30°C
Storage temp. range		-20°C ~+65°C	-20°C ~+65°C
Housing material		Steel	Zinc alloy
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 / 2509 connector	1007-26AWG / Spring
Cable length		115±15mm / 90mm	115±15mm / 4±1mm
Mean time to failure (MTTF) 25°C		5000hrs	5000hrs
Application		Economic type	Economic type
Suggestion work distance		1~10 meters / 3~40 feet	1~10 meters / 3~40 feet