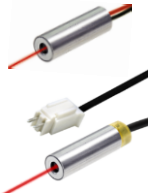
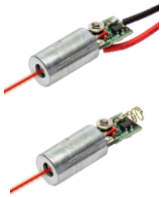
Red Dot Laser Module

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	Less than 5mm at 5M	Less than 5mm 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