

Red Dot Laser Module

Specifications	Model Number	CLM-635-01 LPO	CLM-635-02 LPT	CLM-635-11 LPO	CLM-635-12 LPT
					
Dimensions		Ø20 x 60 mm	Ø20 x 60 mm	20 x 20 x 60 mm	20 x 20 x 60 mm
Operating voltage		3~6 VDC	3~6 VDC	3~6 VDC	3~6 VDC
Operating current		Less than 50mA	Less than 50mA	Less than 50mA	Less than 50mA
Laser power output		Less than 0.39mW	Less than 1mW	Less than 0.39mW	Less than 1mW
Laser class		Class 1	Class 2	Class 1	Class 2
Wavelength		630~645nm	630~645nm	630~645nm	630~645nm
Collimating lens		Glass lens	Glass lens	Glass lens	Glass lens
Output aperture		0.8mm	3mm	0.8mm	3mm
Beam shape		Circular	Circular	Circular	Circular
Spot size		Less than 1.2mm at 1M	Less than 9mm at 20M	Less than 1.2mm at 1M	Less than 9mm at 20M
Divergence (Full Angle)		0.15 mRad	0.15 mRad	0.15 mRad	0.15 mRad
Beam alignment		Less than 1mm	Less than 1mm	Less than 1mm	Less than 1mm
Operating temp. range		-20°C ~+60°C	-20°C ~+60°C	-20°C ~+60°C	-20°C ~+60°C
Storage temp. range		-40°C ~+85°C	-40°C ~+85°C	-40°C ~+85°C	-40°C ~+85°C
Housing material		Stainless steel	Stainless steel	Hard anodized aluminum	Hard anodized aluminum
Potential of housing		Insulated	Insulated	Insulated	Insulated
Electrostatic discharge (ESD)		30KV	30KV	30KV	30KV
Moisture sensitivity level (MSL)		Level 1 - acc to JEDEC J-STD-020E.	Level 1 - acc to JEDEC J-STD-020E.	Level 1 - acc to JEDEC J-STD-020E.	Level 1 - acc to JEDEC J-STD-020E.
Wire type		Micro USB (5V)	Micro USB (5V)	Micro USB (5V)	Micro USB (5V)
Cable length					
Mean time to failure (MTTF) 25°C		10000hrs	10000hrs	10000hrs	10000hrs
Application		Concentricity Laser	Concentricity Laser	Concentricity Laser	Concentricity Laser
Suggestion work distance		0~1 meter / 0~3 feet	1~30 meters / 3~100 feet	0~1 meter / 0~3 feet	1~30 meters / 3~100 feet