Red Dot Laser Module

Specifications / Model Number	CLM-635-01 LPO	CLM-635-02 LPT	CLM-635-11 LPO	CLM-635-12 LPT
				
Dimensions	Ø19.9 x 60 mm	Ø19.9 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	Type C	Type C	Type C	Type C
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