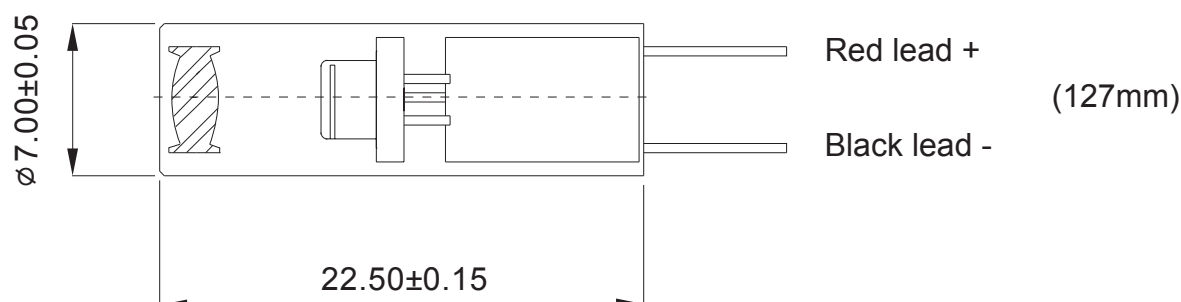


MODEL TYPE

- ☐ VLM-635-03 LPA / VLM-635-03 LPT
- ☐ VLM-650-03 LPA / VLM-650-03 LPT

OUTLINE DIMENSIONS (UNITS: mm)



1. Miniature, slim laser diode module with the PCB inside.
2. This model integrated optic, laser diode, and the APC driver circuit into a patented structure for the best shock resistance and heat sink consideration, the PCB protected inside of the steel housing.
3. Options: Connection type: Spring / Lead wire (Spring type: by order).
Output power: Class II - less than 1mW / Class IIIa - less than 5mW.
4. E.S.D. protection 15KV.

SPECIFICATIONS	635-03	650-03
Operating voltage (Vop) <input type="checkbox"/>	3 ~ 5V	
Operating current (Iop) <input type="checkbox"/>	40±15mA	
Cw output power (Po)	≤ 2.5mW	
Wavelength at peak emission (λ p)	630 ~ 645nm	645 ~ 665nm
Collimating lens <input type="checkbox"/>	Aspherical plastic (φ5)	
Housing <input type="checkbox"/>	Steel (φ7)	
Spot size at 5m <input type="checkbox"/>	6±2mm	
Divergence <input type="checkbox"/>	2.0 mrad	
Mean time to failure (MTTF) 2.5mW 25°C <input type="checkbox"/>	5000 hrs	10000 hrs
Operating temp. range <input type="checkbox"/>	+10°C ~ +30°C	
Storage temp. range <input type="checkbox"/>	-20°C ~ +65°C	