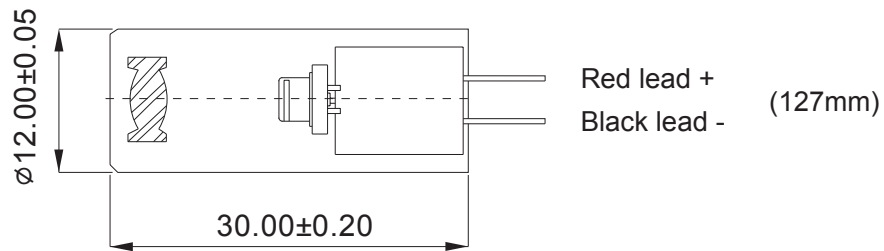


## MODEL TYPE

- VLM-635-17 LPA / VLM-635-17 LPT
- VLM-650-17 LPA / VLM-650-17 LPT

### OUTLINE DIMENSIONS (UNITS: mm)



1. For general laser sighting applications, the PCB is protected inside of the brass housing.
2. Options: Output power: Class II - less than 1mW / Class IIIa - less than 5mW.
3. E.S.D. protection 15KV.

SPECIFICATIONS	635-17	650-17
Operating voltage (Vop) <input type="checkbox"/>	3 ~ 5V	
Operating current (Iop) <input type="checkbox"/>	40±15mA	
Cw output power (Po)	≤ 3mW	
Wavelength at peak emission ( $\lambda_p$ )	630 ~ 645nm	645 ~ 665nm
Collimating lens <input type="checkbox"/>	Aspherical plastic ( $\varnothing 7$ )	
Housing <input type="checkbox"/>	Brass	
Spot size at 5m <input type="checkbox"/>	6±2mm	
Divergence <input type="checkbox"/>	1.6 mrad	
Mean time to failure (MTTF) 3mW 25°C <input type="checkbox"/>	5000 hrs	10000 hrs
Operating temp. range <input type="checkbox"/>	+10°C ~ +40°C	
Storage temp. range <input type="checkbox"/>	-20°C ~ +65°C	