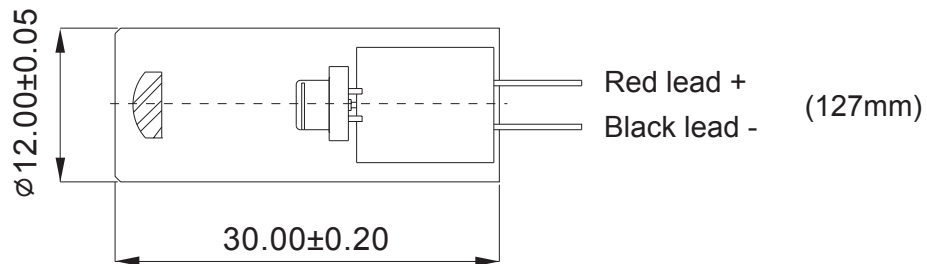


# MODEL TYPE

- VLM-635-15 LPA / VLM-635-15 LPT
- VLM-650-15 LPA / VLM-650-15 LPT

## OUTLINE DIMENSIONS (UNITS: mm)



1. Aspheric glass lens for the best temperature tolerance. For laser leveling, precision, and professional applications, the PCB is protected inside of the brass housing. The broadest temperature range in operation.
2. 0.8 mrad divergence angle.
3. Options: Output power: Class II - less than 1mW / Class IIIa - less than 5mW
4. E.S.D. protection 15KV.

SPECIFICATIONS	635-15	650-15
Operating voltage (Vop) <input type="checkbox"/>	3 ~ 5V	
Operating current (Iop) <input type="checkbox"/>	40±15mA	
Cw output power (Po)	≤ 3.5mW	
Wavelength at peak emission (λ p)	630 ~ 645nm	645 ~ 665nm
Collimating lens <input type="checkbox"/>	Aspherical glass (∅6.5)	
Housing <input type="checkbox"/>	Brass	
Spot size at 5m <input type="checkbox"/>	6±2mm	
Divergence <input type="checkbox"/>	0.8 mrad	
Mean time to failure (MTTF) 3mW 25°C <input type="checkbox"/>	5000 hrs	10000 hrs
Operating temp. range <input type="checkbox"/>	-30°C ~ +50°C	
Storage temp. range <input type="checkbox"/>	-40°C ~ +70°C	