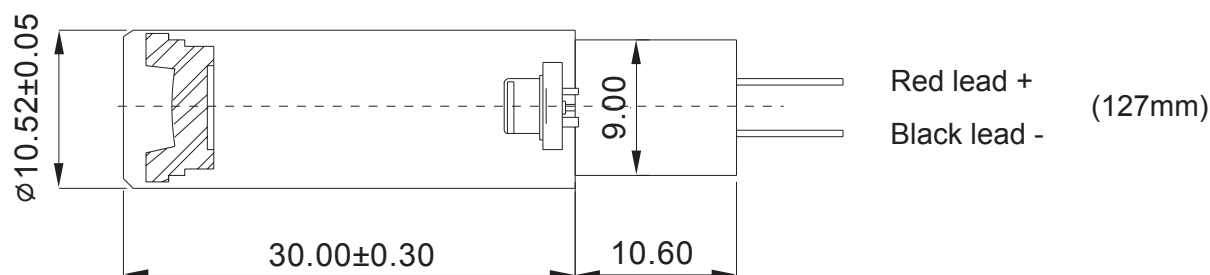


MODEL TYPE

- ☐ VLM-635-12 LPA / VLM-635-12 LPT
- ☐ VLM-650-12 LPA / VLM-650-12 LPT

OUTLINE DIMENSIONS (UNITS: mm)



1. Small beam size laser module for laser leveling, precision, and professional applications.
2. 0.6 mrad divergence angle.
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	635-12	650-12
Operating voltage (Vop) ☐	3 ~ 5V	
Operating current (Iop) ☐	$40 \pm 15\text{mA}$	
Cw output power (Po)	$\leq 2.5\text{mW}$	
Wavelength at peak emission (λ_p)	630 ~ 645nm	645 ~ 665nm
Collimating lens ☐	Aspherical plastic ($\varnothing 10$)	
Housing ☐	Brass	
Spot size at 20m ☐	$10 \pm 2\text{mm}$	
Divergence ☐	0.6 mrad	
Mean time to failure (MTTF) 2.5mW 25°C ☐	5000 hrs	10000 hrs
Operating temp. range ☐	$+10^\circ\text{C} \sim +40^\circ\text{C}$	
Storage temp. range ☐	$-20^\circ\text{C} \sim +65^\circ\text{C}$	