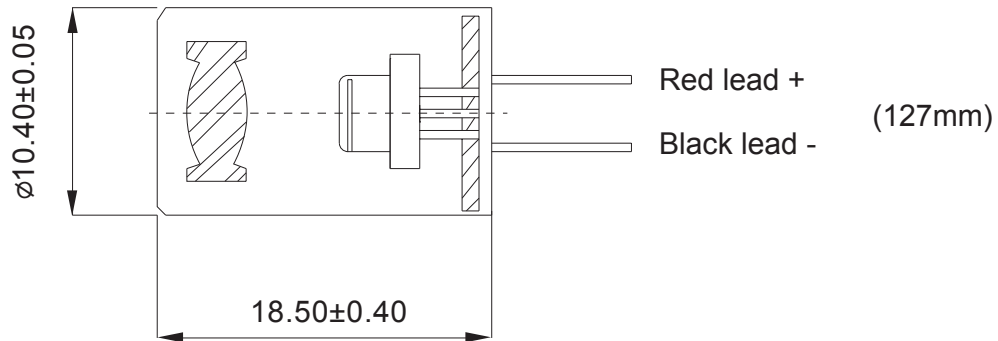


# MODEL TYPE

## VLM-635-01 LPA / VLM-650-01 LPA

### OUTLINE DIMENSIONS (UNITS: mm)



1. Basic model for general laser sighting applications.
2. This model integrated optic, laser diode, and the APC driver circuit into a patented solid brass structure for the best shock resistance and heat sink consideration.
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	635-01	650-01
Operating voltage (Vop)	3 ~ 5V	
Operating current (Iop)	40±15mA	
Cw output power (Po)	≤ 3mW	
Wavelength at peak emission (λ p)	630 ~ 645nm	645 ~ 665nm
Collimating lens	Aspherical plastic (ø7)	
Housing	Brass	
Spot size at 5m	6±2mm	
Divergence	1.6 mrad	
Mean time to failure (MTTF) 3mW 25°C	5000 hrs	10000 hrs
Operating temp. range	+10°C ~ +40°C	
Storage temp. range	-20°C ~ +65°C	