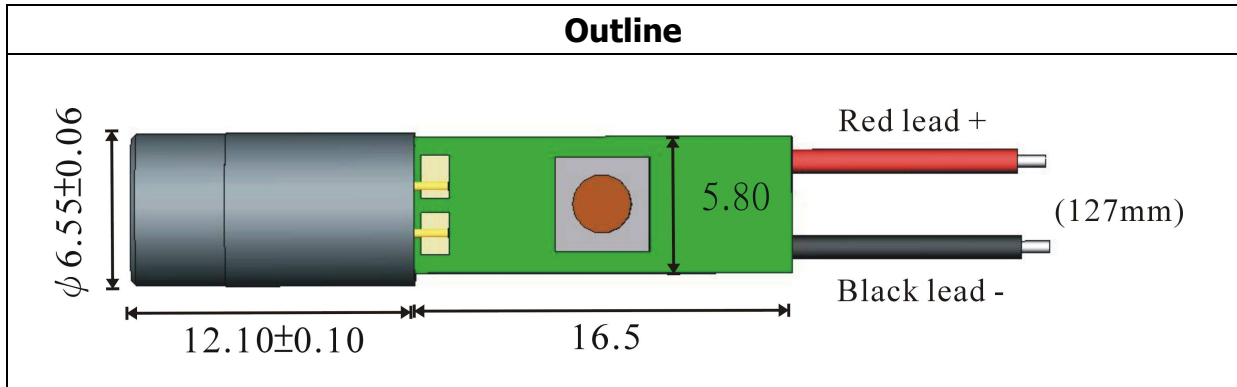


# MODEL TYPE

**VLM-635-05 LPA / VLM-635-05 LPT**  
**VLM-650-05 LPA / VLM-650-05 LPT**

**Economic solution Laser**

## OUTLINE DIMENSIONS (UNITS: mm)



- 1. Economic solution for general laser pointer applications. With APC driver circuit and built-in switch on the PCB.**
- 2. Options: Connection type: Spring / Lead wire (Spring type: by order).  
Output power: Class II-less than 1mW / Class IIIa – less than 5mW.**
- 3. E.S.D. protection 15KV.**

SPECIFICATIONS		635-05	650-05
1	Operating voltage (Vop)	3~5V	
2	Operating current (Iop)	< 45mA	< 25mA
3	Cw output power (Po)	≤ 2.5mW	
4	Wavelength at peak emission (λp)	630~645nm	645~665nm
5	Collimating lens	Aspherical plastic (ø5)	
6	Spot size at 5M	6±1 mm	
7	Divergence	1.2 mrad	
8	Operating temp. range	+15°C ~ +30°C (Room Temperature)	
9	Storage temp. range	-20°C ~ +65°C	
10	Housing	Zinc alloy	
11	Mean time to failure (MTTF) 2.5mW 25°C	5000hrs	2000hrs