

## Excellent Integrated System Limited

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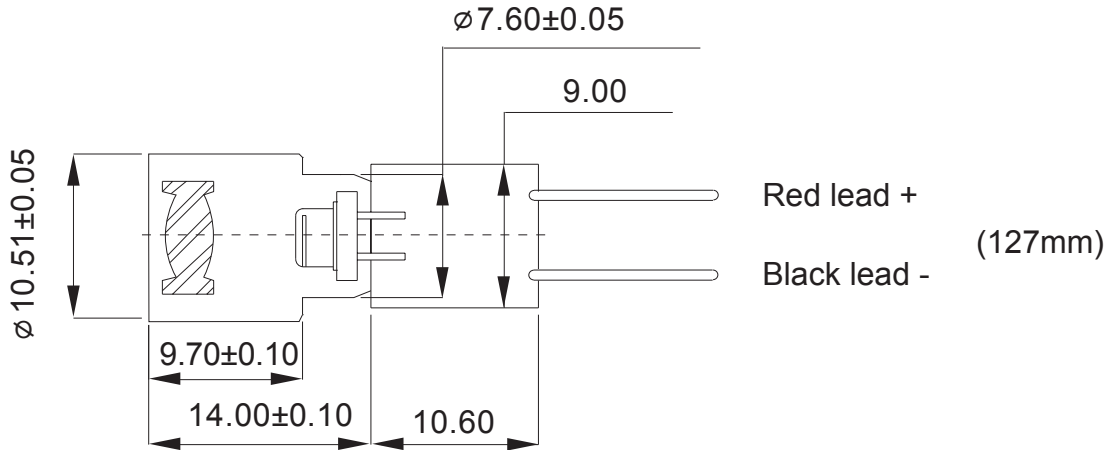
[Quarton, Inc.](#)  
[VLM-650-08-LPA](#)

For any questions, you can email us directly:  
[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

## MODEL TYPE

- VLM-635-08 LPA / VLM-635-08 LPT
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### OUTLINE DIMENSIONS (UNITS: mm)



1. Basic model for general laser sighting applications.
2. This model integrated optic, laser diode into a patented solid zinc alloy structure for the most economical and the best choice of laser pointer applications.
3. Provides an adjustable focus function by request.
4. Options: Connection type: Spring / Lead wire (Spring type: by order).  
Output power: Class II - less than 1mW / Class IIIa - less than 5mW.
5. E.S.D. protection 15KV.

SPECIFICATIONS	635-08	650-08
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 (λ p)	630 ~ 645nm	645 ~ 665nm
Collimating lens <input type="checkbox"/>	Aspherical plastic (φ7)	
Housing <input type="checkbox"/>	Zinc alloy	
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	