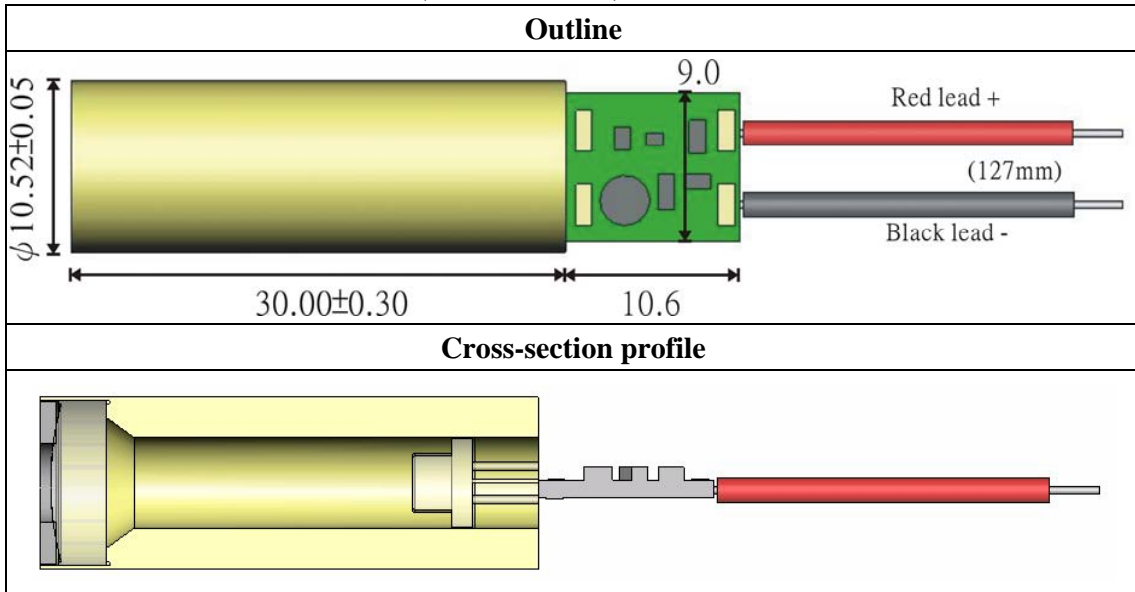


# MODEL TYPE

## VLM-635-12 / VLM-650-12

### OUTLINE DIMENSIONS (UNITS: mm)



1. Small beam size laser module for laser leveling, precision and professional application.
2. 0.6 mrad divergence.
3. 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.
4. Options: Connection type: Spring / Lead wire (Spring type: by order).
5. E.S.D. protection 15KV.

SPECIFICATIONS	635-12	650-12
Operating voltage (Vop)	3~5V	
Operating current (Iop)	40±15mA	
Cw output power (Po)	≤2.5mW	
Wavelength at peak emission (λp)	630~645nm	645~665nm
Collimating lens	Aspherical plastic (φ 10)	
Housing	Brass	
Spot size at 20M	10±2mm	
Divergence	06mrad	
Mean time to failure (MTTF) 2.5mW 25°C	5000hrs	10000hrs
Operating temp. range	+10°C~+40°C	
Storage temp. range	-20°C~+65°C	