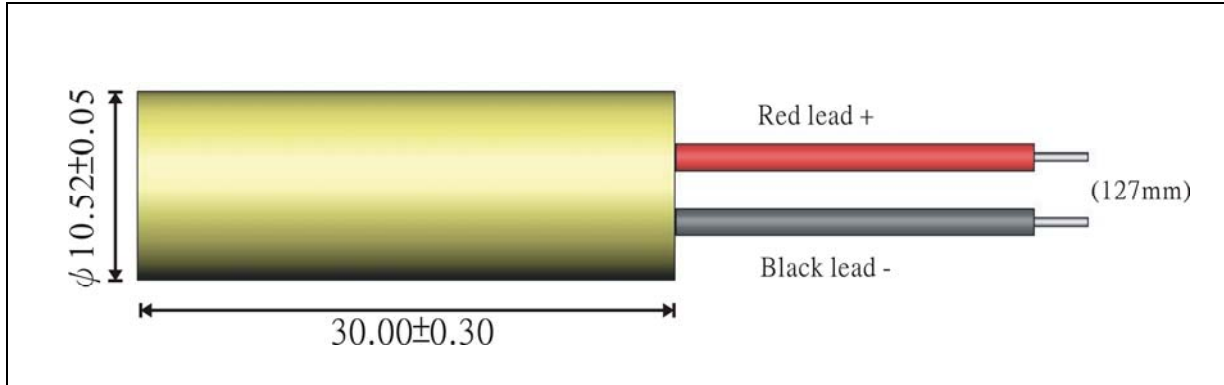


MODEL TYPE

VLM-635-11 LPA / VLM-635-11 LPT
VLM-650-11 LPA / VLM-650-11 LPT

Small spot solution Laser

OUTLINE DIMENSIONS (UNITS: mm)



1. Small beam size laser module for laser leveling, precision and professional application.
2. 0.5 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		635-11	650-11
1	Operating voltage (Vop)	3~5V	
2	Operating current (Iop)	< 50mA	< 35mA
3	Cw output power (Po)	$\leq 2.5\text{mW}$	
4	Wavelength at peak emission (λ_p)	630~645nm	645~665nm
5	Collimating lens	Aspherical plastic ($\phi 10$)	
6	Spot size at 5M / 20M	2.5 \pm 0.5 mm / 10 \pm 1mm	
7	Divergence	0.5mrad	
8	Operating temp. range	+10°C ~ +40°C	
9	Storage temp. range	-20°C ~ +60°C	
10	Housing	Brass	
11	Mean time to failure (MTTF) 2.5mW 25°C	5000hrs	10000hrs