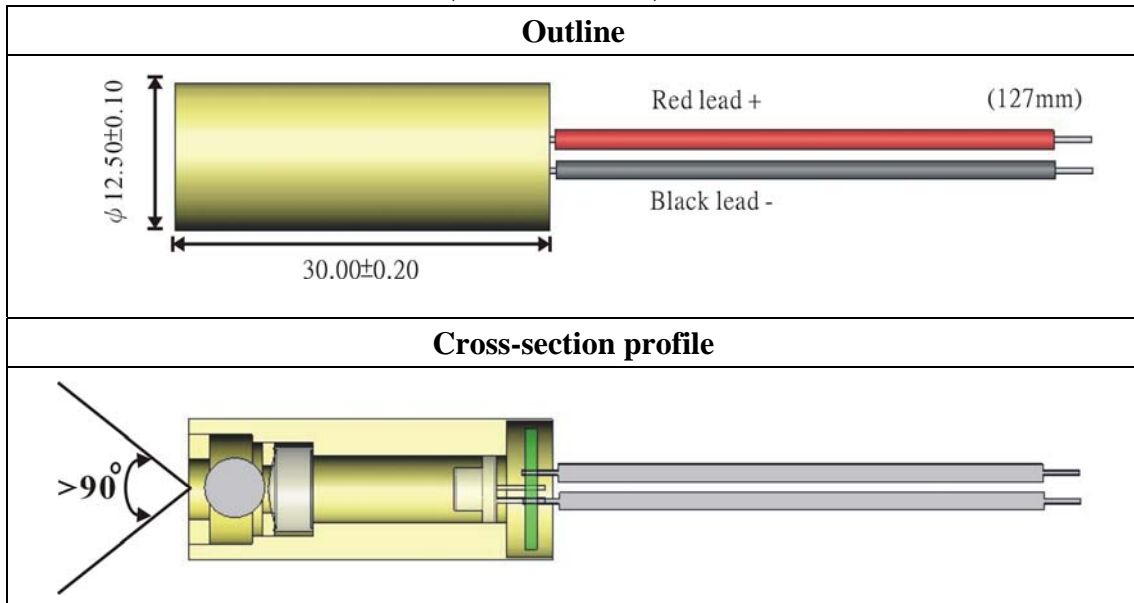


# MODEL TYPE

## VLM-635-27 LPA / VLM-650-27 LPA

### OUTLINE DIMENSIONS (UNITS: mm)



1. This model integrated quartz rod lens, collimating lens, laser diode, and the APC driver circuit into a patented solid brass structure for better line quality and the best shock resistance and heat sink consideration.
2. Options: Collimating lens: Glass / Plastic.
3. E.S.D. protection 15KV.

SPECIFICATIONS	635-27	650-27
Operating voltage (Vop)	2.7~5V	
Operating current (Iop)	40±15mA	
Cw output power (Po)	<1mW	
Wavelength at peak emission (λ p)	630~645nm	645~665nm
Cylindrical lens	Quartz cylindrical lens (ø5)	
Collimating lens	Aspherical plastic (φ 7)	
Housing	Brass	
Emitting angle	> 90°	
Mean time to failure (MTTF) 1mW 25°C	5000hrs	10000hrs
Storage temp. range	-20°C ~+65°C	
Operating temp. range	+10°C ~ +40°C	
Laser line accuracy	< 0.01° (40") at 4m	