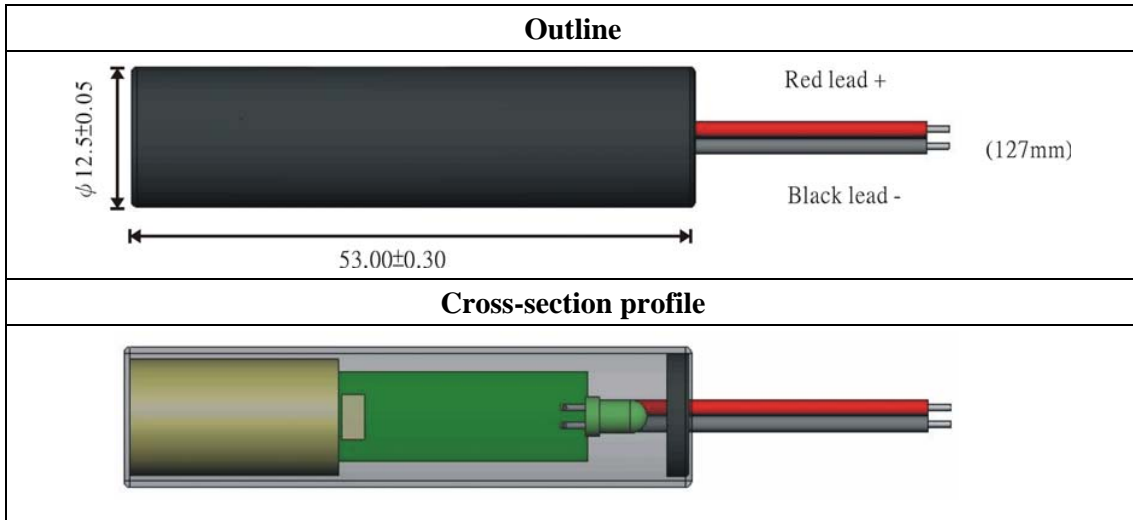


# MODEL TYPE

VLM-635-06 LPA / VLM-635-06 LPT      VLM-650-06 LPA / VLM-650-06 LPT  
 VLM-635-07 LPA / VLM-635-07 LPT      VLM-650-07 LPA / VLM-650-07 LPT

## OUTLINE DIMENSIONS (UNITS: mm)



1. One glass lens and aluminum housing for better heat dispersion.
2. Provides an adjustable focus function by request for different professional applications.
3. APC circuit for constant output power, with LED indicator.
4. Options: Output power: Class II-less than 1mW / Class IIIa – less than 5mW.  
Operating voltage: 2.7~6V / 6~12V.
5. E.S.D. protection 15KV.

SPECIFICATIONS	635-06	650-06
	635-07	650-07
Operating voltage (Vop)	2.7~6V(06 LPA / 06 LPA) 6~12V(07 LPA / 07 LPA)	
Operating current (Iop)	40±15mA	
Cw output power (Po)	≤ 3mW	
Wavelength at peak emission (λp)	630~645nm	645~665nm
Collimating lens	Glass lens (φ 6.5)/ <b>plastic lens (φ 5.0)</b>	
Housing	Aluminum	
Spot size at 5M	6±2mm	
Divergence	0.8mrad / <b>1.6mrad</b>	
Mean time to failure (MTTF) 2.5mW 25°C	5000hrs	10000hrs
Operating temp. range	-30°C ~+50°C	
Storage temp. range	-40°C ~+70°C	