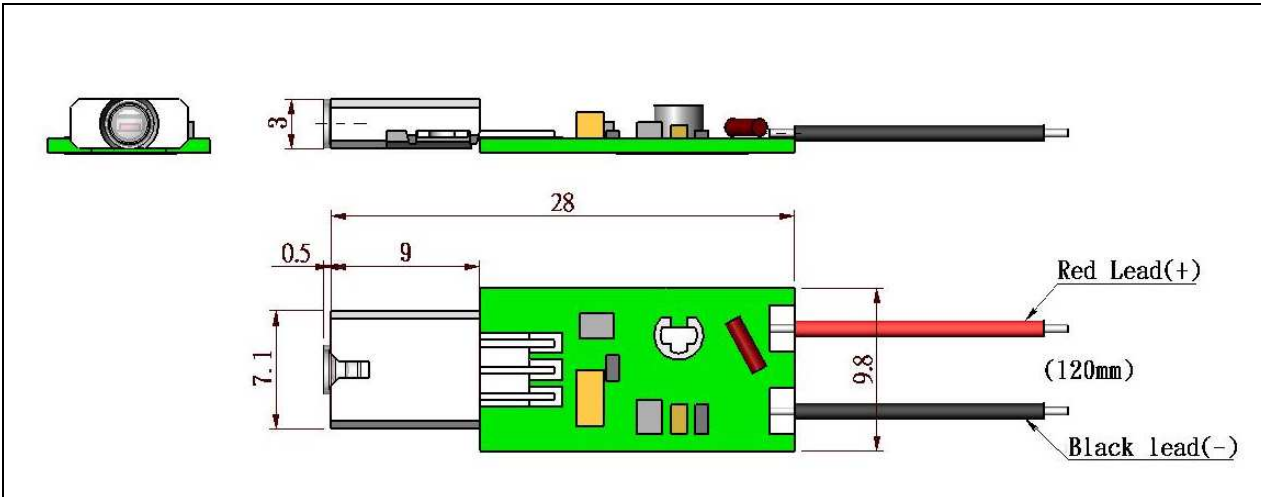


MODEL TYPE

VLM-650-36 LPA / VLM-650-36 LPT Mini laser in flat type

OUTLINE DIMENSIONS (UNITS: mm)



1. The thinnest shape laser for laser pointer application
2. This model integrated optic, laser diode, and the APC driver circuit .
3. Options: Connection type: Spring / Lead wire (Spring type: by order).
4. Output power: Class II - less than 1mW / Class IIIa – less than 2.5mW
4. E.S.D. protection 15KV.

SPECIFICATIONS		650-36LPA	650-36LPT
1	Operating voltage (Vop)	3~5V	
2	Operating current (Iop)	< 30mA	< 20mA
3	Cw output power (Po)	≧ 2.5mW	≧ 1mW
4	Wavelength at peak emission (λp)	645~665nm	
5	Collimating lens	Aspherical plastic (ø3)	
6	Spot size at 5M	8±1 mm	
7	Divergence	1.6 mrad	
8	Operating temp. range	+20°C ~ +30°C (Room Temperature)	
9	Storage temp. range	-20°C ~+65°C	
10	Housing	Zinc alloy	
11	Mean time to failure (MTTF) 2.5mW 25°C	2000hrs	