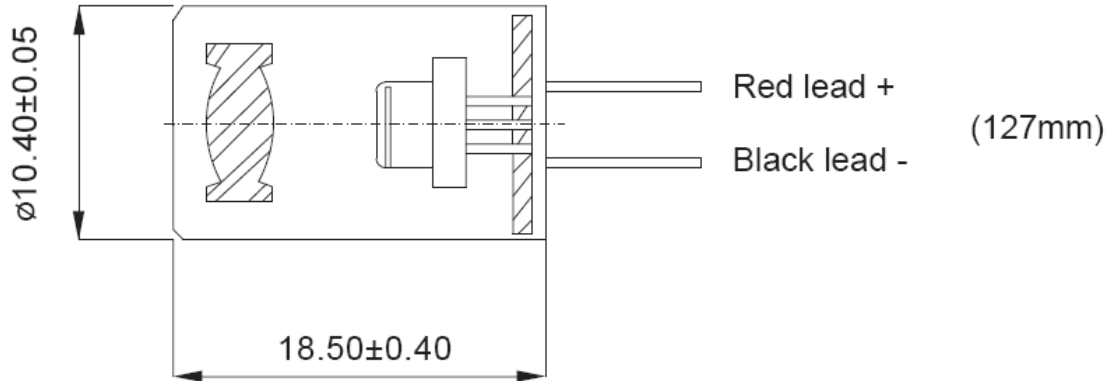


# Quarton Laser Module

## Part #VLM-650001 (LPA/LPT)

### Mechanical Dimensions (UNITS: mm)



SPECIFICATIONS:	VLM-650001 LPA	VLM-650001 LPT
APC Driver Circuit	Yes	Yes
Collimating Lens	Aspherical Plastic	Aspherical Plastic
Cw Output Power (Po)	<b><math>\leq 3</math> mW</b>	<b>Less than 1.0 mW</b>
Divergence	1.6 mrad	1.6 mrad
ESD Protection	15 KV	15 KV
Housing	Brass	Brass
Laser Class / Applicable Countries	<b>Class 3a / USA</b>	<b>Class 2 / Europe, Japan, USA</b>
Mean time to failure (MTTF) 3mW 25°	10,000 Hours	10,000 Hours
Operating Current (Iop)	40 ± 15 mA	40 ± 15 mA
Operating Voltage (Vop)	3 ~ 5V	3 ~ 5V
Power Connection	Wire leads (2)	Wire leads (2)
Spot size at 5m.	6mm (± 2mm)	6mm (± 2mm)
Temperature Range - Operating	+10°C thru +40°C	+10°C thru +40°C
Temperature Range - Storage	-20°C thru +65°C	-20°C thru +65°C
Wavelength at peak emission ( $\lambda_p$ )	645 ~ 665nm	645 ~ 665nm
RoHS Compliant	Yes	Yes

#### Application Notes:

- For general laser sighting applications.
- Spring Leads use part #VLM-650001 SPA for Class 3a. **(USA)**
- Spring Leads use part #VLM-650001 SPT for Class 2. **(USA, Europe, Japan)**