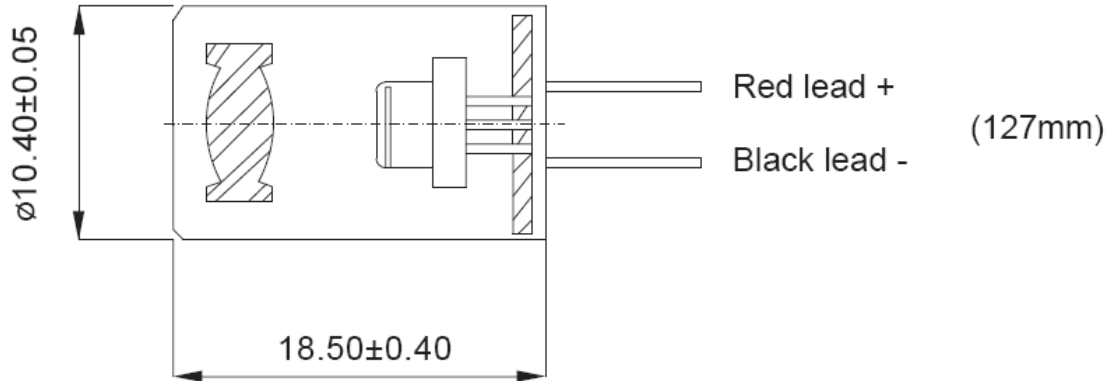


Quarton Laser Module

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)	≤ 3 mW	Less than 1.0 mW
Divergence	1.6 mrad	1.6 mrad
ESD Protection	15 KV	15 KV
Housing	Brass	Brass
Laser Class / Applicable Countries	Class 3a / USA	Class 2 / Europe, Japan, USA
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)	$3 \sim 5$ V	$3 \sim 5$ V
Power Connection	Wire leads (2)	Wire leads (2)
Spot size at 5m.	6mm (± 2 mm)	6mm (± 2 mm)
Temperature Range - Operating	$+10^{\circ}\text{C}$ thru $+40^{\circ}\text{C}$	$+10^{\circ}\text{C}$ thru $+40^{\circ}\text{C}$
Temperature Range - Storage	-20°C thru $+65^{\circ}\text{C}$	-20°C thru $+65^{\circ}\text{C}$
Wavelength at peak emission (λ_p)	$645 \sim 665$ nm	$645 \sim 665$ nm
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)**