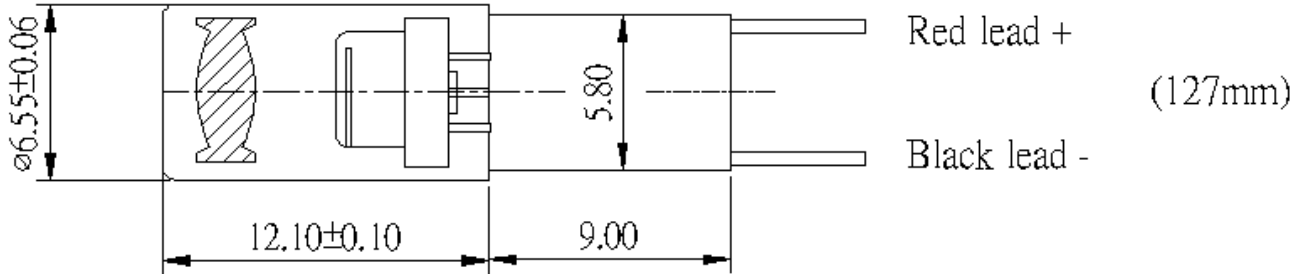


Quarton Laser Module

Part #VLM-635004 (LPA/LPT)

Mechanical Dimensions (UNITS: mm)



SPECIFICATIONS:	VLM-635004 LPA	VLM-635004 LPT
APC Driver Circuit	Yes	Yes
Collimating Lens	Aspherical Plastic	Aspherical Plastic
Cw Output Power (Po)	≤ 2.5 mW	Less than 1.0 mW
Divergence	2.0 mrad	2.0 mrad
ESD Protection	15 KV	15 KV
Housing	Zinc Alloy	Zinc Alloy
Laser Class / Applicable Countries	Class 3a / USA	Class 2 / Europe, Japan, USA
Mean time to failure (MTTF) 2.5mW 25°	5,000 Hours	5,000 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 $+30^{\circ}\text{C}$	$+10^{\circ}\text{C}$ thru $+30^{\circ}\text{C}$
Temperature Range - Storage	-20°C thru $+65^{\circ}\text{C}$	-20°C thru $+65^{\circ}\text{C}$
Wavelength at peak emission (λ_p)	$630 \sim 645$ nm	$630 \sim 645$ nm
RoHS Compliant	Yes	Yes

Application Notes:

- For general laser sighting applications.
- Spring Leads use part #VLM-635004 SPA for Class 3a. **(USA)**
- Spring Leads use part #VLM-635004 SPT for Class 2. **(USA, Europe, Japan)**