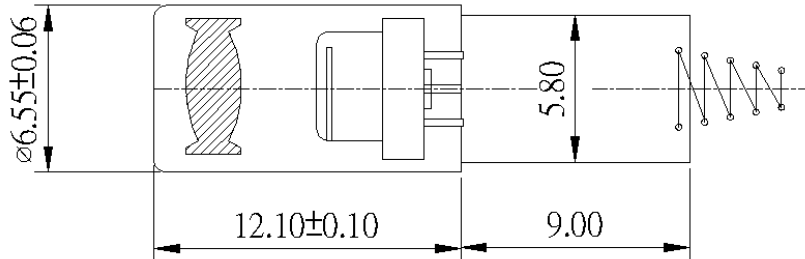


# Quarton Laser Module

## Part #VLM-635004 (SPA/SPT)

### Mechanical Dimensions (UNITS: mm)



SPECIFICATIONS:	VLM-635004 SPA	VLM-635004 SPT
APC Driver Circuit	Yes	Yes
Collimating Lens	Aspherical Plastic	Aspherical Plastic
Cw Output Power (Po)	<b><math>\leq 2.5</math> mW</b>	<b>Less than 1.0 mW</b>
Divergence	2.0 mrad	2.0 mrad
ESD Protection	15 KV	15 KV
Housing	Zinc Alloy	Zinc Alloy
Laser Class / Applicable Countries	<b>Class 3a / USA</b>	<b>Class 2 / Europe, Japan, USA</b>
Mean time to failure (MTTF) 2.5mW 25°	5,000 Hours	5,000 Hours
Operating Current (Iop)	$40 \pm 15$ mA	$40 \pm 15$ mA
Operating Voltage (Vop)	$3 \sim 5$ V	$3 \sim 5$ V
Power Connection	Spring leads	Spring leads
Spot size at 5m.	6mm ( $\pm 2$ mm)	6mm ( $\pm 2$ 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	$-20^{\circ}\text{C}$ thru $+65^{\circ}\text{C}$	$-20^{\circ}\text{C}$ thru $+65^{\circ}\text{C}$
Wavelength at peak emission ( $\lambda_p$ )	$630 \sim 645$ nm	$630 \sim 645$ nm
RoHS Compliant	Yes	Yes

#### Application Notes:

- For general laser sighting applications.
- Wire leads use part #VLM-635004 LPA for Class 3a. (USA)
- Wire leads use part #VLM-635004 LPT for Class 2. (USA, Europe, Japan)