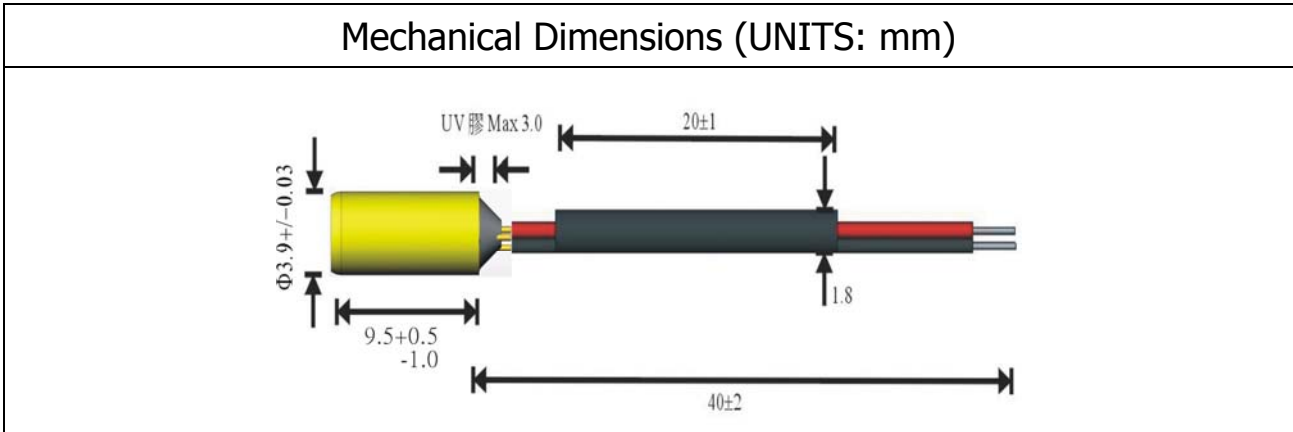


# Quarton Laser Module

## Part #VLM-650-35 (LPA/LPT)

### Mini laser module



### Applications:

1. General purpose red laser light source
2. Laser pointer

SPECIFICATIONS:	VLM-650-35 LPA	VLM-650-35 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	2mrad	2mrad
Housing	Brass	Brass
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)	15 ±5 mA@3V	10 ± 5 mA@3V
Operating Voltage (Vop)	3 V~5V	3 V~5V
Power Connection	Wire leads (2)	Wire leads (2)
Spot size at 3M.	6mm (± 3mm)	6mm (± 3mm)
Temperature Range - Operating	+10°C ~+30°C	+10°C ~ +30°C
Temperature Range - Storage	-20°C ~ +65°C	-20°C ~ +65°C
Wavelength at peak emission (λp)	645 ~ 660nm	645 ~ 660nm
RoHS	Yes	Yes