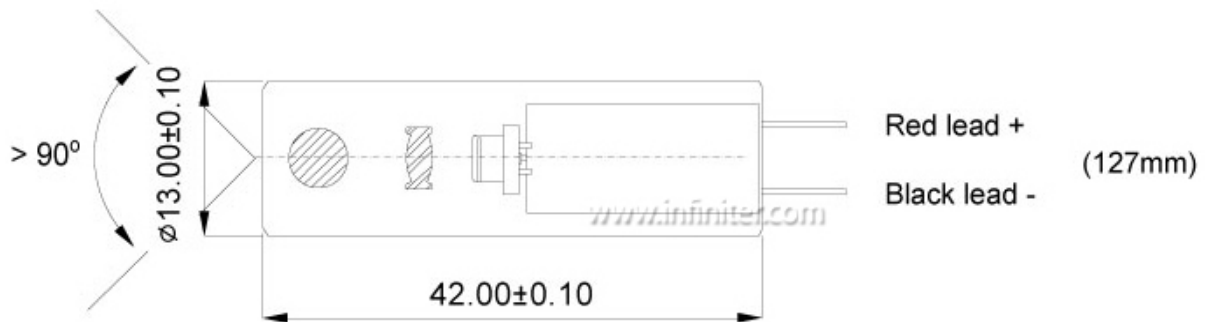


# MODEL TYPE

## VLM-650-27 LPB20

### OUTLINE DIMENSIONS (UNITS: mm)



1. This model integrated quartz rod lens, collimating lens, laser diode, and the APC driver circuit into a patented solid brass structure for better line quality and the best shock resistance and heat sink consideration.
- 2.E.S.D. protection 15KV.

SPECIFICATIONS	650-27 LPB20
Operating voltage (Vop)	6~9V
Operating current (Iop)	100±20mA
Cw output power (Po)	20mW
Wavelength at peak emission (λ p)	645~665nm
Window lens	Flat glass(ø9)
Cylindric lens	Quartz cylindric lens (ø5)
Collimating lens	Glass (ø6.5)
Housing	Brass
Width of laser line	≤4mm at 4m
Laser line accuracy	< 0.01° (40") at 4m
Emitting angle	> 90°
Mean time to failure (MTTF) 20mW 25°C	10000hrs
Operating temp. range	+10°C~+40°C
Storage temp. range	-20°C~+65°C