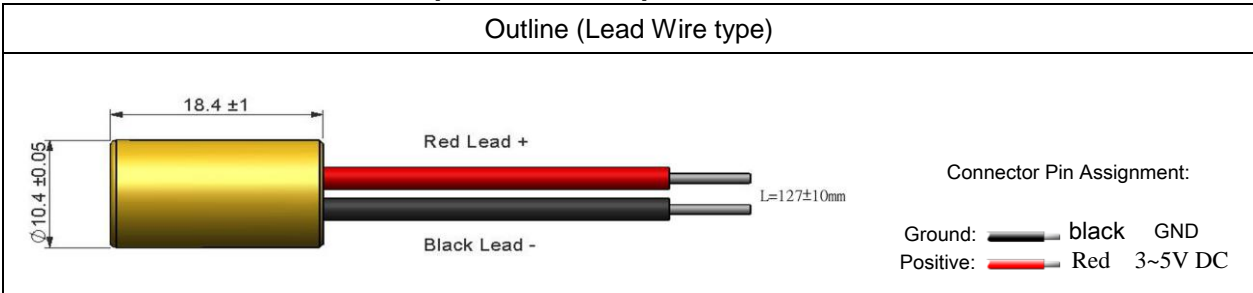


## VLM-520-01 Series

### OUTLINE DIMENSIONS (UNITS: mm)



### SPECIFICATIONS

SPECIFICATIONS		VLM-520-01	
		LPT	LPA
1	Dimensions	$\Phi 10.4 \times 18.4$ mm ( $\Phi 0.409$ " $\times$ 0.724")	
2	Weight	9g	
3	Operating voltage (Vop)	7V~10V	
4	Operating current (Iop)	<80mA	<100mA
5	Continuous wave output power (Po)	<1mW	<4mW
6	Wavelength at peak emission ( $\lambda_p$ )	505~530nm	
7	Collimating lens	Aspherical plastic lens( $\Phi 7$ )	
8	Output Aperture	5mm	
9	Beam Shape	Dot	
10	Spot size at 3M	<4.5mm	
11	Divergence (Half Angle)	0.5 mRad	
12	Operating temp. range	+10°C ~+40	
13	Storage temp. range	-20°C ~+65°C	
14	Housing Material	Bronze	
15	Housing Color	Brass	
16	Potential of Housing	VDD(+)	
17	Mean time to failure (MTTF) 25°C	5000hrs	

Note : Laser module housing is an electrical positive surface, it is imperative that contact between the laser module and the machine be avoided. This is to prevent damage from the machine electrical leakage. Surge protected power supply to the laser module is strongly recommended