

660nm Red Laser Module

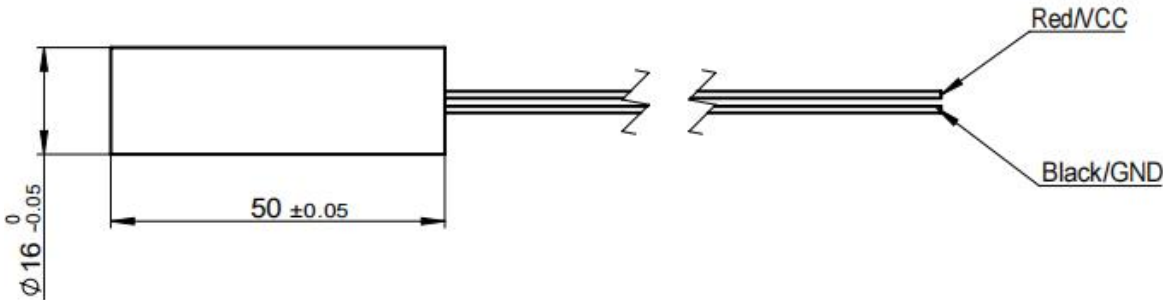


R660L005-16x50-60-(-10-60)-CW

Features

- 660nm Red Laser
- High Reliability
- Uniform Line
- Wide Temperature Range

Dimensions (Unit: mm)



Specifications				
Model Number		R660L005-16x50-60-(-10-60)-CW		
Mechanical Specifications		Min	Typ	Max
Laser Head	Diameter (mm)	15.95	16	16
	Length (mm)	49.5	50	50.5
Housing Material		Aluminum Black Anodized		
Optical Specifications		Min	Typ	Max
Wavelength (nm)		653	660	667
Output Power (mW) ⁽¹⁾ @25°C		4	5	7
Output Power Mode		CW		
Laser Class ⁽²⁾		Class 3B		

⁽¹⁾ measured at 100mm distance through $\phi 7$ mm hole.

Beam Specifications	Min	Typ	Max
Fan Angle ($1/e^2$, degree)	55	60	65
Linewidth at 135mm~435mm(mm, $1/e^2$) ⁽¹⁾	-	-	1
Line Uniformity ⁽²⁾	60%	-	-
Line Straightness			0.2%
Electrical Specifications	Min	Typ	Max
Power Type	CW		
Operating Voltage (DC, V)	-	5	-
Operating Current @5V (mA) (@ $25 \pm 3^\circ\text{C}$)	-	-	100
Wire Length(cm)	490	500	510
Reliability	Min	Typ	Max
Operating Temperature Range ($^\circ\text{C}$)	-10	25	60
Storage Temperature ($^\circ\text{C}$)	-40	25	85
Operating Humidity	-	-	90%
RoHS Compliance Declaration	Yes		

(1) Tested via beam quality analyzer

(2) Beam uniformity test method:based on ICE60825-1 standard, test the laser line output power at 100mm through 7mm hole, record the min. output power and max. output power, the ratio of the two values should $\geq 60\%$.