

Green Line Laser Module
Wide Temperature Range

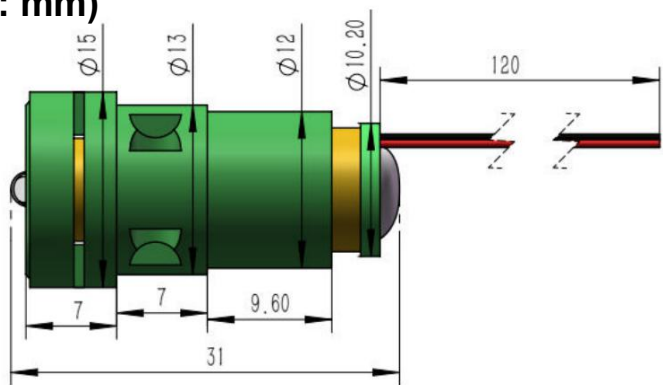


G530L008-15x31-120-(10-40)-10

Features

- Gaussian Line
- Wide Temperature Range
- Fast Rise Time
- High Reliability

Dimensions (Unit: mm)



Specifications				
Model Number		G530L008-15x31-120-(10-40)-10		
Mechanical Specifications		Min	Typ	Max
Laser Head	Diameter (mm)	14.9	15.0	15.1
	Length (mm)	30.9	31.0	31.1
	Weight (g)	-	11.6	-
Housing Material		Green Anodized Aluminum ⁽¹⁾		
Optical Specifications		Min	Typ	Max
Wavelength (nm)		528	530	532
Average Output Power (mW) at 25°C ⁽²⁾		7.0	8.0	9.0
Power Stability	at const. Temperature ⁽³⁾	-	-	+/- 5%
	over Temperature Range	-	+/- 20%	+/- 33%
Output Power Mode		TTL		
Laser Class		3R		

⁽¹⁾ Optional:Black Anodized Aluminum

⁽²⁾ at cylinder lens exit

⁽³⁾ after max. 3 minutes

Beam Specifications	Min	Typ	Max
Fan Angle (Degree) ⁽¹⁾	110	120	140
Linewidth (mm) at Distance at 7m	-	-	4
Line Curvature (mm) at 10m	-	±0.5	±1
Power Distribution	Gaussian		
Beam Mode Longitude	Multi		
Residual IR	-	-	1%
Electrical Specifications	Min	Typ	Max
Power Type	ACC - TTL 50%		
Voltage (DC, V)	2.8	-	3.0
Operating Average Current (mA) ⁽²⁾ at 3V	-	220	-
Peak Current (mA)	430		
Frequency (Hz)	100		
Housing Isolation	No		
ESD protection	Yes		
Wire Length (mm)	120±10		
Wire Type	28AWG		
Reverse Voltage Protection	Yes		
Reliability	Min	Typ	Max
Operating Case Temperature Range (°C)	10	-	40
Rise Time (Seconds) ⁽³⁾	-	-	0.2
Storage Temperature (°C)	-20	-	60
Environmental Humidity (RH, %)	5	-	85
Lifetime (hours) (MTTF at 25°C)	5,000	-	-
RoHS Compliance Declaration	Yes		

⁽¹⁾ Optional: Dot in center of line

⁽²⁾ over Operating Case Temperature Range

⁽³⁾ to 75% of full Output Power