

GREEN LASER MODULE

SML-525-50-1-R



SEMICOM
V I S U A L

Features

Wavelength: 525nm (Typ.)
Output power: $P_o = 50\text{mW}$ (Typ.)
Package: $\varnothing 10\text{mm}$ (RoHS compliant)
Uses pure green laser diode

Applications

Industrial Application

Absolute Maximum Ratings

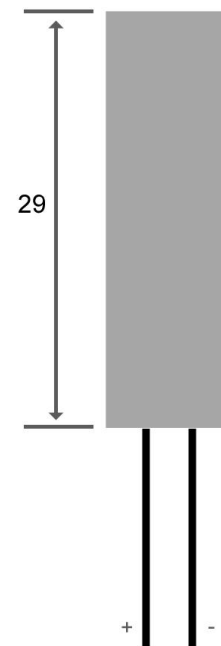
($T_c=25^\circ\text{C}$)

Parameter	Symbol	Ratings	Unit
Light Output CW	P_o (CW)	50	mW
Operating Voltage	VCC	+8	V
Operating Temperature ¹⁾	Topr	+10 to +35	$^\circ\text{C}$
Storage Temperature	Tstg	-40 to +85	$^\circ\text{C}$

1) Case Temperature

Package

(Unit : mm)



Electrical and Optical Characteristics

($T_c=25^\circ\text{C}$)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Operating Current	lop	CW			300	mA
Supply Voltage	Vcc			+8		V
Beam Diameter ^(*2)	2wr	$\Delta l = 10\text{m}$ ^(*3)			6	mm
Beam Divergence ^(*2)	2 θ r				0.3	mrad
Lasing Wavelength	λ_p	$\Delta l = 5\text{m}$ ^(*3)	520	525	530	nm

(*2) X axial direction (*3) Measurement distance from laser aperture

Case Material: Brass
Laser Safety Class: 4
MTTF: 10,000Hrs
EN60068-2-6 and EN60068-2-29 compliance

Note: The above specification is subject to change without notice

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