

GREEN LASER MODULE

SML-520-1-3-T



SEMICOM
VISUAL

Features

Wavelength: 520nm (Typ.)
Output power: $P_o = 1\text{mW}$ (Typ.)
Package: $\varnothing 10\text{mm}$ (RoHS compliant)
Output Mode: TTL modulated (<120kHz)

Package

(Unit : mm)

Applications

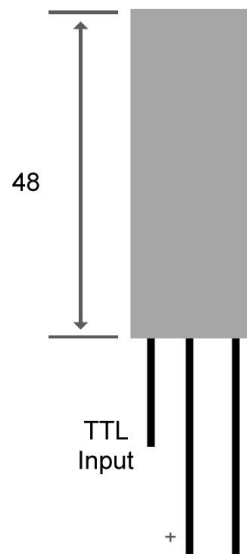
Barcode reader
Laser marker

Absolute Maximum Ratings

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

Parameter	Symbol	Ratings	Unit	
Light Output	CW	P_o (CW)	1	mW
Operating Voltage	VCC	+5	V	
Operating Temperature ¹⁾	Topr	+0 to +65	$^\circ\text{C}$	
Storage Temperature	Tstg	-40 to +85	$^\circ\text{C}$	

1) Case Temperature



Electrical and Optical Characteristics

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

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Operating Current	Iop	CW			120	mA
Supply Voltage	Vcc			+5		V
MTTF				10,000		hrs
Beam Divergence ^(*2)	$2\theta_r$				0.3	mrad
Lasing Wavelength	λ_p	$\Delta l = 5\text{m}$ ^(*3)	515	520	525	nm

(*2) X axial direction (*3) Measurement distance from laser aperture
Case Material: Brass

Note: The above specification is subject to change without notice

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