

GREEN LASER MODULE

SML-532-1-4-M



SEMICOM
V I S U A L

Features

Wavelength: 532nm (Typ.)
Output power: $P_o = 1\text{mW}$ (Typ.)
Package: $\varnothing 11\text{mm}$ (RoHS compliant)
Connector: Molex type (22-01-2025)

Applications

Barcode reader
Laser marker

Absolute Maximum Ratings

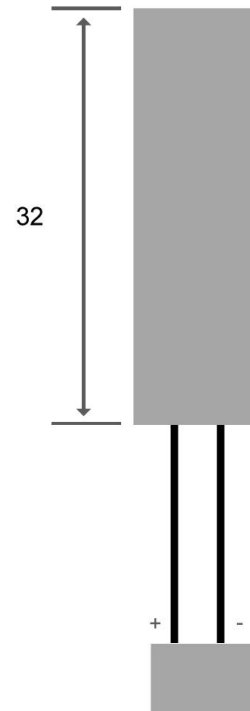
($T_c=25^\circ\text{C}$)

Parameter	Symbol	Ratings	Unit
Light Output CW	P_o (CW)	1	mW
Operating Voltage	VCC	+3	V
Operating Temperature ¹⁾	Topr	+15 to +35	$^\circ\text{C}$
Storage Temperature	Tstg	-10 to +60	$^\circ\text{C}$

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			280	mA
Supply Voltage	Vcc			+3		V
MTTF				5,000		hrs
Beam Divergence ^(*)2)	$2\theta_r$				0.8	mrad
Beam Size		$\Delta l = 10\text{m}$ ^(*)3)			15	mm
Lasing Wavelength	λ_p	$\Delta l = 5\text{m}$ ^(*)3)	528	532	536	nm

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

Note: The above specification is subject to change without notice

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