

INFRA-RED LASER MODULE



SEMICOM
V I S U A L

SML-980-5-1-R

Features

Wavelength: 980nm (Typ.)
Output power: $P_o = 5\text{mW}$ (Typ.)
Package: $\varnothing 8\text{mm}$ (RoHS compliant)

Applications

Industrial applications

Absolute Maximum Ratings

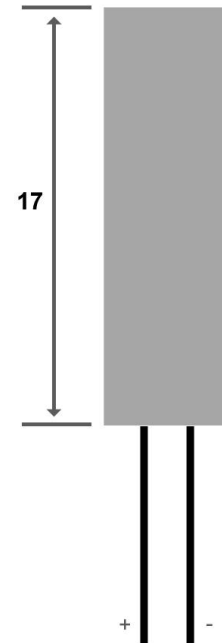
($T_c=25^\circ\text{C}$)

Parameter	Symbol	Ratings	Unit
Light Output CW	P_o (CW)	5	mW
Operating Voltage	VCC	+3	V
Operating Temperature ¹⁾	Topr	-10 to +50	$^\circ\text{C}$
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	Iop	CW			50	mA
Supply Voltage	Vcc			+3		V
Beam Diameter ^(*2)	2wr	$\Delta l = 200\text{m}$ ^(*3)		1		m
Lasing Wavelength	λ_p	$\Delta l = 5\text{m}$ ^(*3)		980		nm

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

Case Material: Anodised Aluminium (Black)
CDRH Class: II

Note: The above specification is subject to change without notice

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