

RED LASER MODULE

SML-635-1-3-R



SEMICOM
VISUAL

Features

Wavelength: 635nm (Typ.)
Output power: $P_o = 1\text{mW}$ (Typ.)
Package: $\varnothing 8\text{mm}$ (RoHS compliant)

Package

(Unit : mm)

Applications

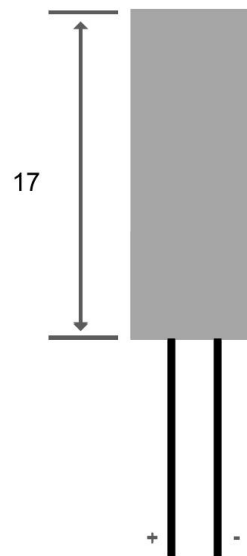
Barcode reader
Laser marker

Absolute Maximum Ratings

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

Parameter	Symbol	Ratings	Unit
Light Output CW	P_o (CW)	1	mW
Operating Voltage	VCC	+3	V
Operating Temperature ¹⁾	Topr	+10 to +40	$^\circ\text{C}$
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			45	mA
Supply Voltage	Vcc			+3		V
MTTF				8,000		hrs
Beam Divergence ^(*2)	$2\theta_r$				0.5	mrad
Lasing Wavelength	λ_p	$\Delta l = 5\text{m}$ ^(*3)	630	635	640	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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