

# RED LASER MODULE

## SML-635-1-4-R



**SEMICOM**  
V I S U A L

### Features

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

### Package

(Unit : mm)

### Applications

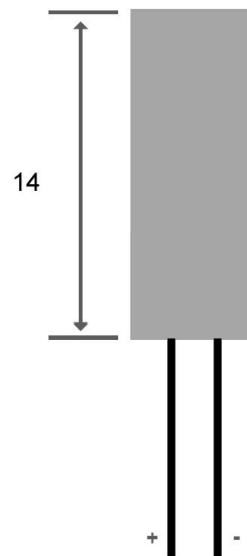
Barcode reader  
Laser marker

### 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 <sup>1)</sup>	Topr	-10 to +40	$^\circ\text{C}$
Storage Temperature	Tstg	-40 to +80	$^\circ\text{C}$

1) Case Temperature



### Electrical and Optical Characteristics

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

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Operating Current	lop	CW			50	mA
Supply Voltage	Vcc			+3		V
MTTF				8,000		hrs
Beam Divergence <sup>(*)</sup>	$2\theta_r$				0.5	mrad
Lasing Wavelength	$\lambda_p$	$\Delta l = 5\text{m}$ <sup>(*)</sup>	630	635	640	nm

(\*) 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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