

RED LASER MODULE

SML-635-3-1-R



SEMICOM
VISUAL

Features

Wavelength: 635nm (Typ.)
Output power: $P_o = 3\text{mW}$ (Typ.)
Package: $\varnothing 8\text{mm}$ (RoHS compliant)
Mini Size, Wide Temperature Range

Applications

Laser Range Finder
Laser Alignment

Absolute Maximum Ratings

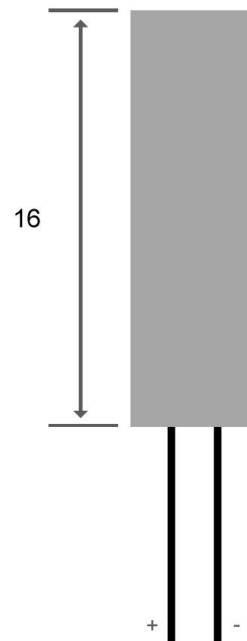
($T_c=25^\circ\text{C}$)

Parameter	Symbol	Ratings	Unit
Light Output CW	P_o (CW)	3	mW
Operating Voltage	VCC	+3	V
Operating Temperature ¹⁾	Topr	+0 to +50	$^\circ\text{C}$
Storage Temperature	Tstg	-20 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			50	mA
Supply Voltage	Vcc			+2.1		V
MTTF				5,000		hrs
Beam Divergence ^(*)2)	$2\theta_r$		0.7	0.8	1.0	mrad
Beam Size		$\Delta l = 10\text{m}$ ^(*)3)			-	mm
Lasing Wavelength	λ_p	$\Delta l = 5\text{m}$ ^(*)3)	630	635	640	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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