

RED LASER MODULE

SML-635-5-2-R



SEMICOM
VISUAL

Features

Wavelength: 635nm (Typ.)
Output power: $P_o = 5\text{mW}$ (Typ.)
Package: $\varnothing 8\text{mm}$ (RoHS compliant)

Applications

Barcode reader
Laser marker

Absolute Maximum Ratings

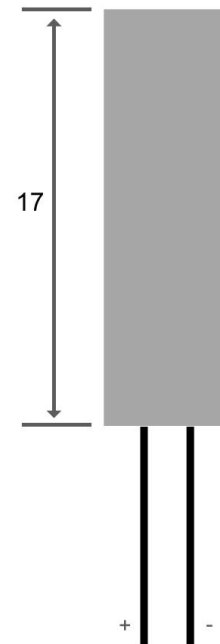
($T_c=25^\circ\text{C}$)

Parameter	Symbol	Ratings	Unit
Light Output CW	P_o (CW)	5	mW
Operating Voltage	VCC	+3	V
Operating Temperature ¹⁾	Topr	+10 to +40	$^\circ\text{C}$
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	lop	CW			45	mA
Supply Voltage	Vcc			+3		V
Beam Diameter ^(*2)	2wr	$\Delta l = 10\text{m}$ ^(*3)			TBD	mm
Beam Divergence ^(*2)	2 θ_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
CDRH Class: IIIR

Note: The above specification is subject to change without notice

Semicom Visual Ltd.

Kao Hockham Building, Edinburgh Way, Harlow, Essex, CM20 2NQ, UK. TEL: +44 (0)1279 422224 FAX: +44 (0)1279 433339