

# INFRA-RED LASER MODULE

## SML-850-5-2-R



**SEMICOM**  
VISUAL

### Features

Wavelength: 850nm (Typ.)  
Output power:  $P_o = 5\text{mW}$  (Typ.)  
Package:  $\varnothing 8\text{mm}$  (RoHS compliant)

### Applications

Industrial applications

### Absolute Maximum Ratings

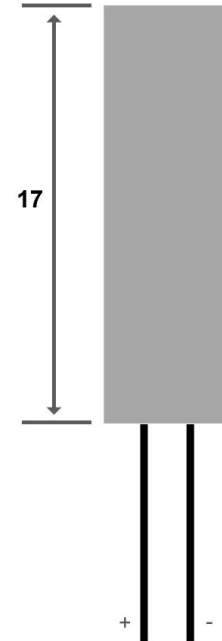
( $T_c=25^\circ\text{C}$ )

Parameter	Symbol	Ratings	Unit
Light Output CW	$P_o$ (CW)	5	mW
Operating Voltage	VCC	+3	V
Operating Temperature <sup>1)</sup>	Topr	-10 to +60	$^\circ\text{C}$
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			30	mA
Supply Voltage	Vcc			+3		V
Beam Diameter <sup>(*)2)</sup>	2wr	$\Delta l = 200\text{m}^{(*)3}$		1		m
Lasing Wavelength	$\lambda_p$	$\Delta l = 5\text{m}^{(*)3}$		850		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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