

PURE BLUE LASER MODULE

SML-450-5-1-R



SEMICOM
V I S U A L

Features

Wavelength: 450nm (Typ.)
Output power: Po = 5mW (Typ.)
Package: ø10mm (RoHS compliant)

Applications

Biomedical instrumentation
Industrial Measurement

Absolute Maximum Ratings

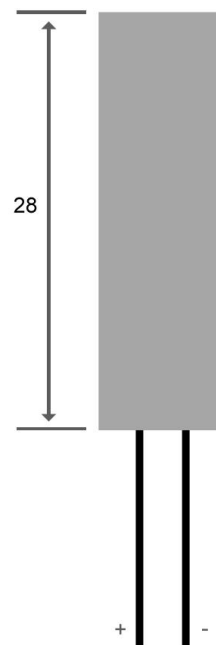
(T_c=25°C)

Parameter	Symbol	Ratings	Unit
Light Output CW	Po (CW)	5	mW
Operating Voltage	Vcc	+6	V
Operating Temperature ¹⁾	Topr	+10 to +60	°C
Storage Temperature	Tstg	-40 to +85	°C

1) Case Temperature

Package

(Unit : mm)



Electrical and Optical Characteristics

(T_c=25°C)

Parameter	Symbol	Condition	Min.	Typ.	Max.	Unit
Operating Current	Iop	CW			130	mA
Operating Voltage	Vcc			+6		V
Beam Divergence ^(*)	2θr				0.5	mrad
Lasing Wavelength	λp	Δl = 5m ^(*)	440	450	460	nm

(*2) X axial direction (*3) Measurement distance from laser aperture
Material = Black Anodised Aluminium
Lead length = 150mm

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