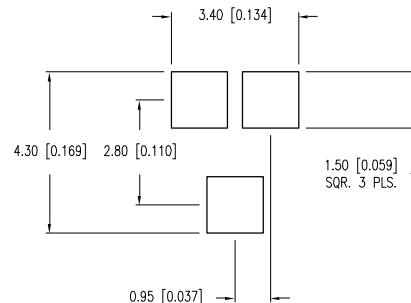


RECOMMENDED PAD LAYOUT



PART NUMBER	SML-LX15GC-RP-TR	REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	
03.14.03	E.C.N. #10967.	A	
07.03.03	E.C.N. #11010.	B	
11.30.05	E.C.N. #11148.	C	
11.28.06	E.C.N. #11361.	D	
05.02.08	E.C.N. #11501.	E	

ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$ $I_f = 20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.1	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		10		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-40 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

* $t < 10\mu\text{s}$

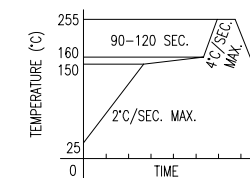
NOTES:

- THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS

LEAD FREE REFLOW PROFILE

10 SEC. MAX.

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN= +DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION

LUMEX
Creating LED and LCD Solutions Together™

290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM

SOT-23 REPLACEMENT, SML 565nm GREEN LED, REVERSE POLARITY, WATER CLEAR LENS, TAPE AND REEL.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

CONFIDENTIAL INFORMATION

THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE: 02.21.01 DRAWN BY: JC

PAGE: 1 OF 1 CHKD BY: JD

SCALE: N/A APRVD BY: KF

UNIT: mm [INCH] (R) (C)

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Lumex:

[SML-LX15GC-RP-TR](#) [SML-LX0402IC-TR](#)