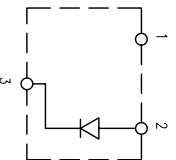




**THE DATASHEET OF
SML-LX15IC-TR**

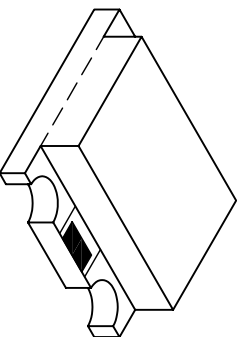


PART NUMBER		SML-LX151C-TR		REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS				REV.
03.14.03	E.C.N. #10967.				A
07.03.03	E.C.N. #11010.				B
11.30.05	E.C.N. #11148.				C
11.28.06	E.C.N. #11361.				D
04.30.08	E.C.N. #11501.				E



R0.35 [R0.014]
(3 PLS.)

POLARITY MARK



ELECTRO-OPTICAL CHARACTERISTICS $I_A=25\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	635		2.8	nm	
FORWARD VOLTAGE	2.0			V _f	$I_f=100\mu\text{A}$
REVERSE VOLTAGE	5.0			V _r	$I_f=20\text{mA}$
AXIAL INTENSITY		10		mcad	
VIEWING ANGLE		140		2 \times theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR LENS				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP. <input type="checkbox"/>	-40 TO +85	°C
STORAGE TEMP. <input type="checkbox"/>	-40 TO +85	°C

* t<100S

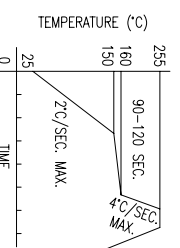
CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 3 STANDARDS

NOTES:

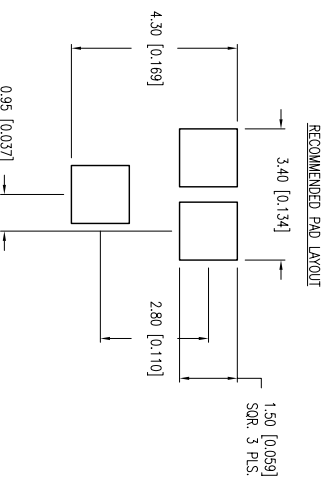
1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

LEAD FREE REFLOW PROFILE

10 SEC. MAX.



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



0 [0.157]

1.75 [0.069]
3.50 [0.138]

5 [0.0061]

1.90 [0.075]

1.00 [0.039]

X±1 (±0.039), XX±0.5 (±0.020), XXX±0.25 (±0.010), XXXX±0.127 (±0.005), LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN= -0.001 DECIMAL PRECISION MAX.= +0.001 DECIMAL PRECISION

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SOT-23 REPLACEMENT, SMT LED, 635nm RED LED, WATER CLEAR LENS, TAPE AND REEL.

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UNCONTROLLED DOCUMENT

DATE:	11.28.06	DRAWN BY:	JC
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRD BY:	SS
UNIT:	mm [INCH]		

®

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-  [Lumex Opto/Components Inc. Information](#)

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