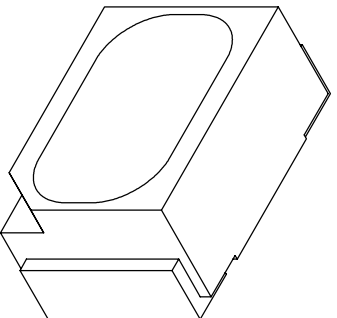




**THE DATASHEET OF
SML-LX23SUGC-TR**



PART NUMBER	SML-LX23SUGC-TR	REV.	C
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	
03.04.08	E.C.N. #11148.	A	
12.15.09	E.C.N. #10603.	B	
03.28.11	E.C.N. #10BRDR & REDRAWN.	C	



ELECTRO-OPTICAL CHARACTERISTICS $I_A=25\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		574		nm	
FORWARD VOLTAGE		2.2	2.6	V_f	$I_f=100\mu\text{A}$
REVERSE VOLTAGE	5.0			V_r	
AXIAL INTENSITY		80		med	$I_f=20\text{mA}$
VIEWING ANGLE		90		2θ theo	
EMITTED COLOR:		GREEN			
EPOXY LENS FINISH:		WATER CLEAR LENS			

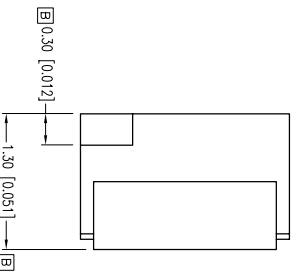
LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-25 TO +85	°C
STORAGE TEMP.	-30 TO +85	°C
SOLDERING TEMP.	+240	°C
* I<10μS		

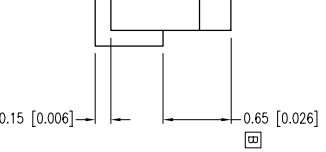
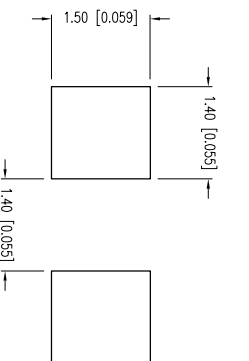
NOTES:

1. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS



RECOMMENDED SOLDER PAD LAYOUT



HELEN ROAD
E, IL 60067-6976
+1.847.359.2790
1.847.359.6538
WWW.LUMEX.COM

X±1 (+0.039), X±±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= -0.00
-0.00 DECIMAL PRECISION MAX. = +0.00
-0.00 DECIMAL PRECISION

2mm x 3mm SURFACE MOUNT WITH REFLECTOR, 574nm ULTRA GREEN LED, WATER CLEAR LENS.

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

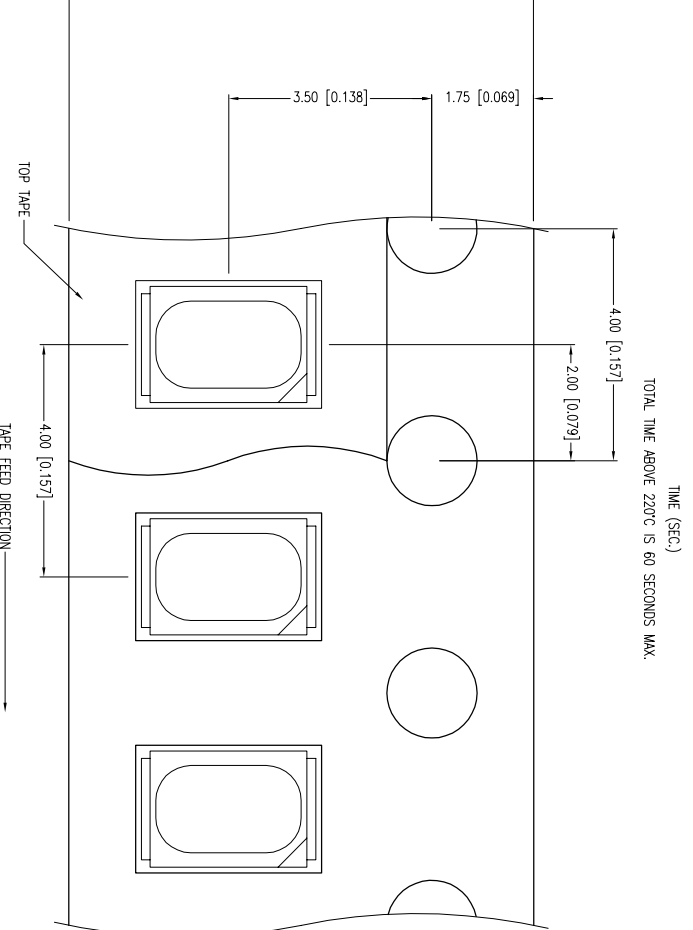
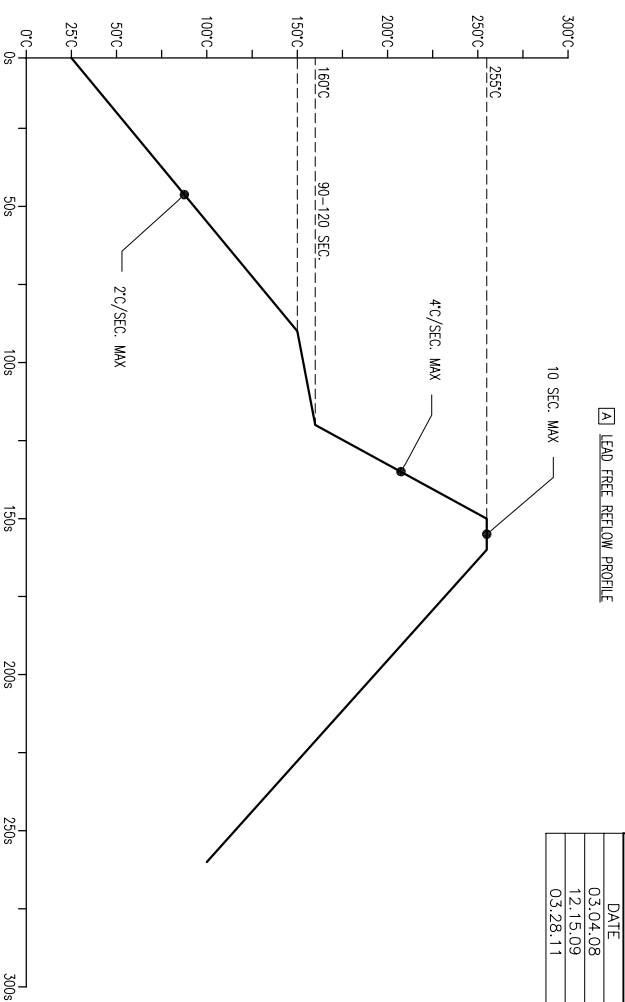
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UNCONTROLLED DOCUMENT

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SCALE:	NTS	APRVD BY:	JD
UNIT:	mm [INCH]		



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 DATE: 03.28.11 DRAWN BY: AB
 PAGE: 2 OF 2 CHKD BY: JD
 SCALE: NTS APRVD BY: JD
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