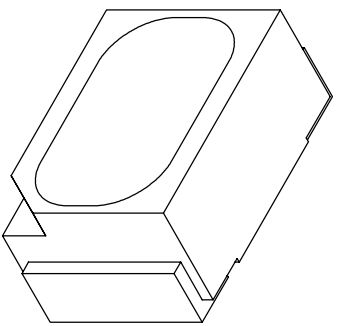




**THE DATASHEET OF
SML-LX23SYC-TR**



PART NUMBER	SML-LX235YC-TR	REV.	G
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	
02.05.99	E.C.N. #10BRDR, ADDED REFLOW PROFILE.	A	
08.09.99	E.C.N. #10543.	B	
07.18.00	E.C.N. #10644. & REDRAWN IN 3D.	C	
03.14.03	E.C.N. #10967.	D	
02.08.05	E.C.N. #11148.	E	
12.15.09	E.C.N. #11603.	F	
03.28.11	E.C.N. #10BRDR & REDRAWN.	F	



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	590		2.5	nm	
FORWARD VOLTAGE	2.0			V_f	$I_f=100\mu\text{A}$
REVERSE VOLTAGE	5.0			V_r	
AXIAL INTENSITY		200		med	$I_f=20\text{mA}$
VIEWING ANGLE		90		2θ theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	WATER CLEAR LENS				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

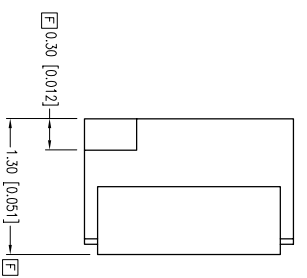
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-25 TO +80	°C
STORAGE TEMP.	-30 TO +85	°C
SOLDERING TEMP.	+240	°C

* I<10μS

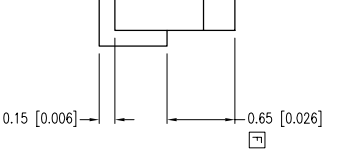
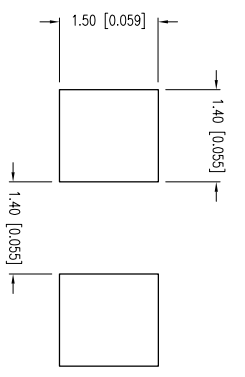
NOTES:

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
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 DECMAL PRECISION MAX. = +0.00 DECMAL PRECISION

2mm x 3mm SURFACE MOUNT WITH REFLECTOR, 590nm SUPER YELLOW LED, WATER CLEAR LENS.

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

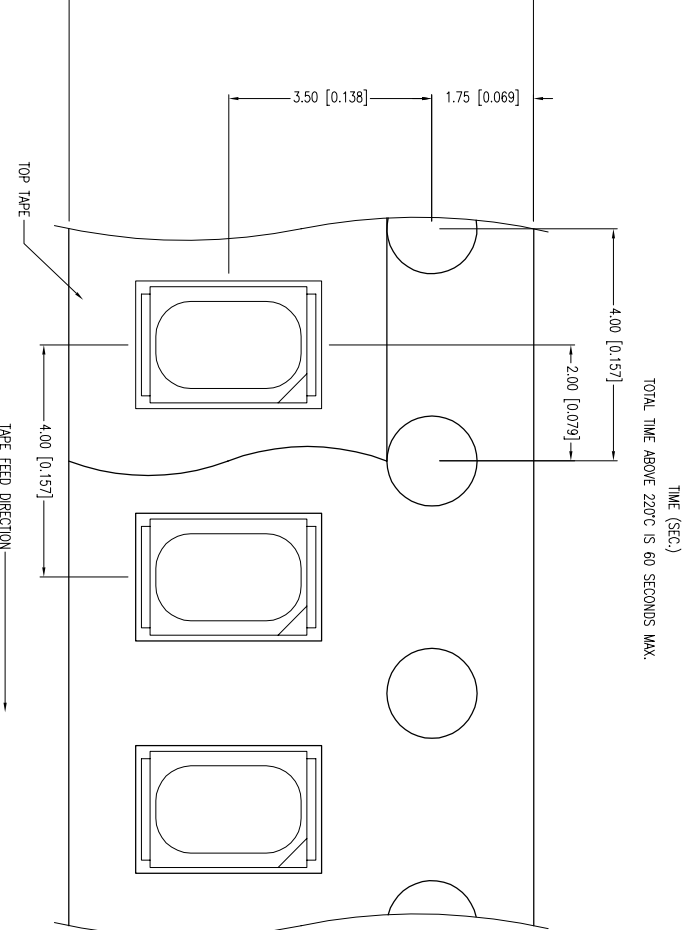
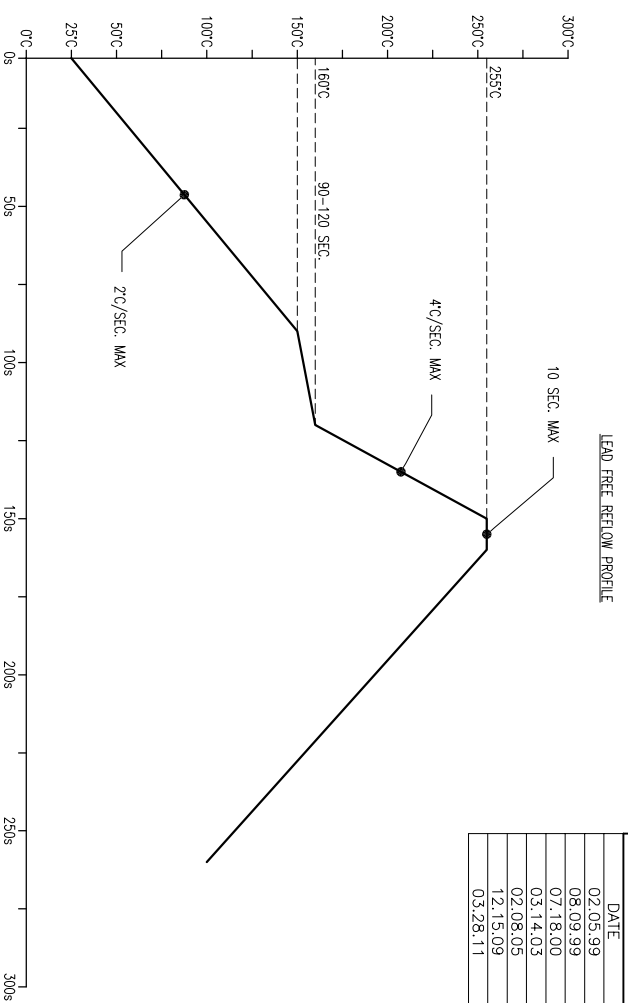
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PAGE:	1 OF 2	CHKD BY:	JD
SCALE:	NTS	APRVD BY:	JD
UNIT:	mm [INCH]		



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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= -0.00 DECENTAL PRECISION MAX.= +0.00 DECENTAL PRECISION

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