

Excellent Integrated System Limited

Stocking Distributor

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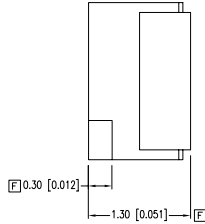
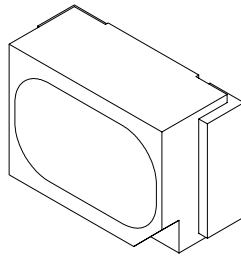
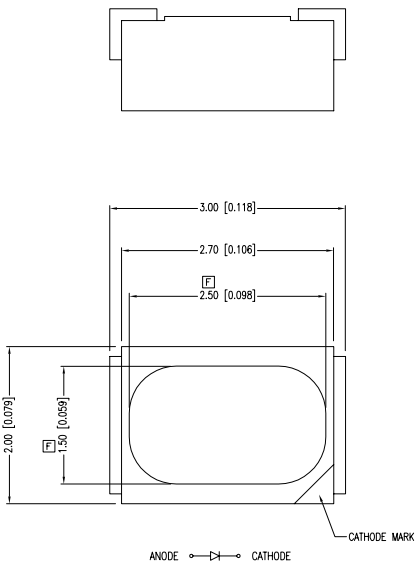
[Lumex, Inc.](#)
[SML-LX23YC-TR](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

UNCONTROLLED DOCUMENT

PART NUMBER	SML-LX23YC-TR	REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS		
02.05.99	E.C.N. #10BRDR.	ADDED REFLOW PROFILE.	REV. 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
12.15.09	E.C.N. #10603.		E



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_F=20\text{mA}$				
PARAMETER	MIN	TYP	MAX	UNITS
PEAK WAVELENGTH		585		nm
FORWARD VOLTAGE		2.1	2.5	V_F
REVERSE VOLTAGE	5.0			V_R
AXIAL INTENSITY		20		mcd
VIEWING ANGLE		90		2x theta
EMITTED COLOR:	YELLOW			
EPOXY LENS FINISH:	WATER CLEAR LENS			

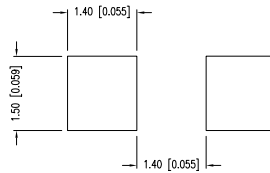
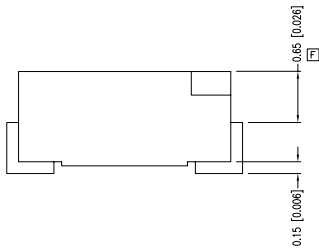
LIMITS OF SAFE OPERATION AT 25°C PER CHIP		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/ $^{\circ}\text{C}$
OPERATING TEMP.	-25 TO +80	$^{\circ}\text{C}$
STORAGE TEMP.	-30 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.	+240	$^{\circ}\text{C}$

NOTES:

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

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS

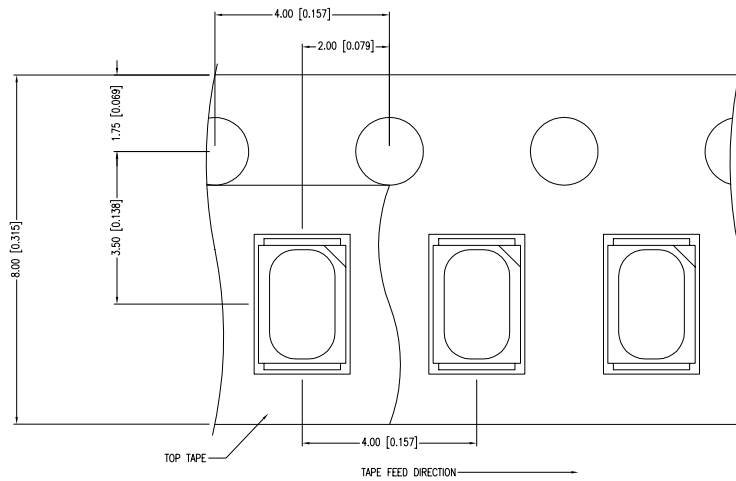
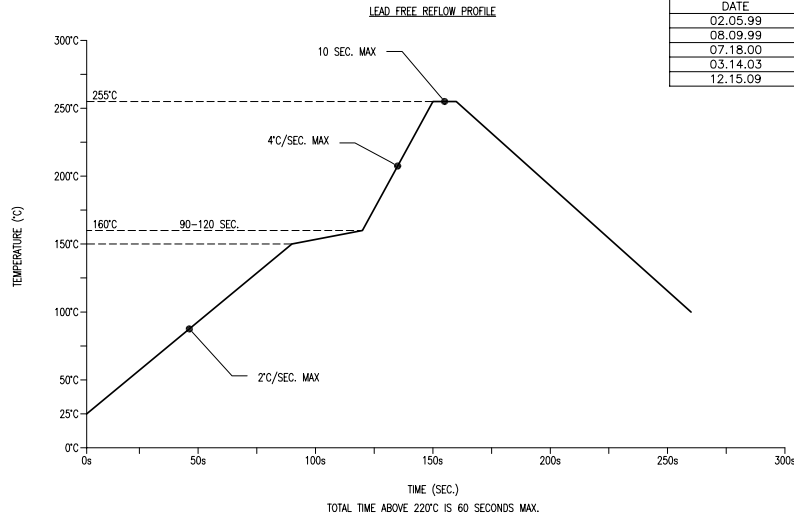
RECOMMENDED SOLDER PAD LAYOUT



*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= -0.00 DECIMAL PRECISION MAX= +0.00 DECIMAL PRECISION		UNCONTROLLED DOCUMENT	
290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538 WEB: WWW.LUMEX.COM		DATE: 03.07.97	DRAWN BY: CT
2mm x 3mm SURFACE MOUNT WITH REFLECTOR, 565nm YELLOW LED, WATER CLEAR LENS.		PAGE: 1 OF 2	CHKD BY: JD
THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.		SCALE: NTS	APRVD BY: JD
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