

Excellent Integrated System Limited

Stocking Distributor

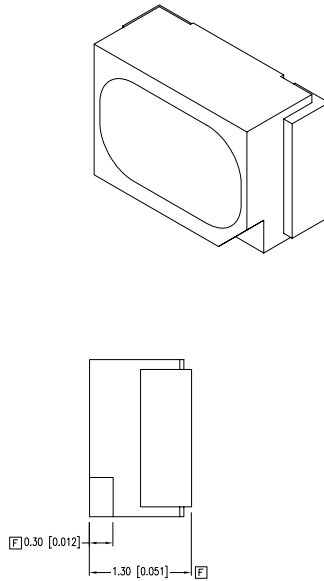
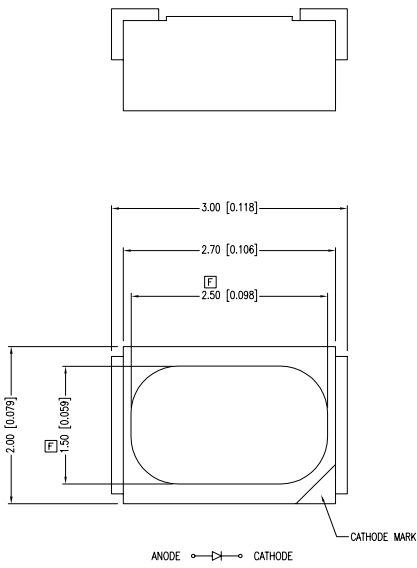
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Lumex, Inc.](#)
[SML-LX23GC-TR](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

UNCONTROLLED DOCUMENT



PART NUMBER	SML-LX23GC-TR	REV.	G
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
01.05.01	E.C.N. #10695.		C
03.14.03	E.C.N. #10967.		D
12.03.04	E.C.N. #11148.		E
12.14.09	E.C.N. #10603.		F
03.28.11	E.C.N. #10BRDR & REDRAWN.		G

ELECTRO-OPTICAL CHARACTERISTICS		$T_A = 25^\circ\text{C}$		$I_f = 20\text{mA}$	UNITS	TEST COND
PARAMETER	MIN	TYP	MAX			
PEAK WAVELENGTH		565			nm	
FORWARD VOLTAGE		2.2	2.6		V_f	
REVERSE VOLTAGE	5.0				V_r	$I_f = 100\mu\text{A}$
AXIAL INTENSITY		20			mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		90			2θ	
EMITTED COLOR:	GREEN					
EPOXY LENS FINISH:	WATER CLEAR LENS					

LIMITS OF SAFE OPERATION AT 25°C		PER CHIP	UNITS
PARAMETER	MAX		
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.	-25 TO +80		$^\circ\text{C}$
STORAGE TEMP.	-30 TO +85		$^\circ\text{C}$
SOLDERING TEMP.	+240		$^\circ\text{C}$

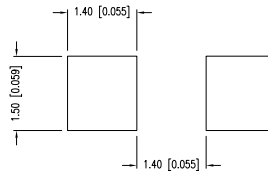
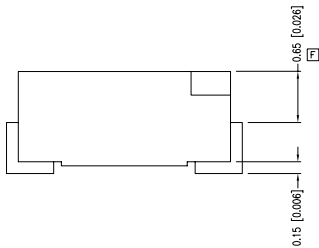
* $t_c < 10\text{s}$

NOTES:

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

(B) (A) CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 4 STANDARDS

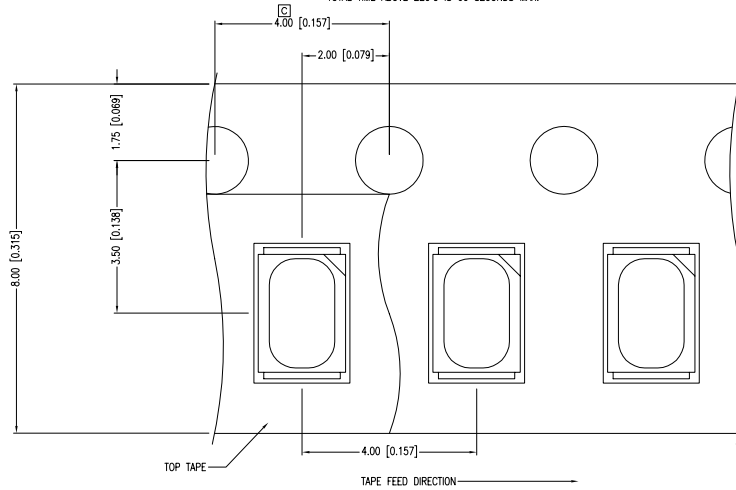
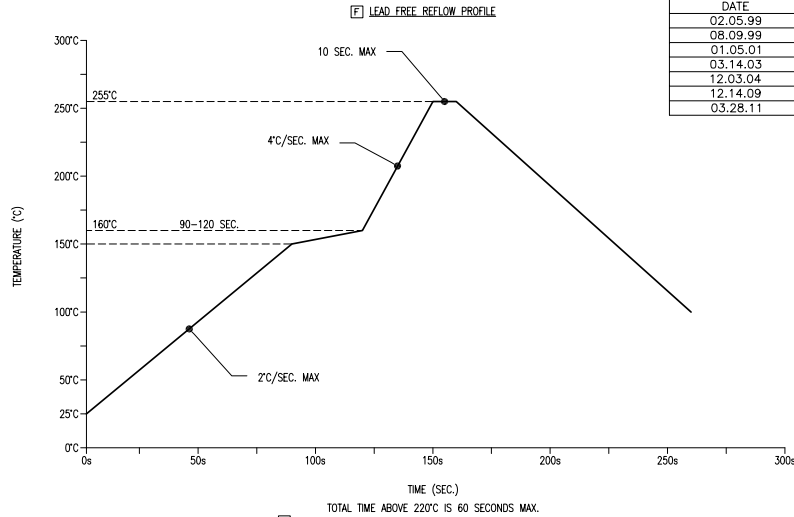
RECOMMENDED SOLDER PAD LAYOUT



*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), 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= -0.00 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		2mm x 3mm SURFACE MOUNT WITH REFLECTOR, 565nm GREEN LED, WATER CLEAR LENS.	DATE: 03.28.11 DRAWN BY: AB
THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.		CONFIDENTIAL INFORMATION	PAGE: 1 OF 2 CHKD BY: JD
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.			SCALE: NTS APRVD BY: JD
			UNIT: mm [INCH] (P)

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