

## Excellent Integrated System Limited

Stocking Distributor

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

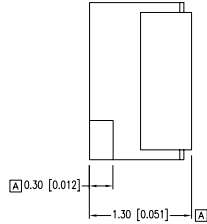
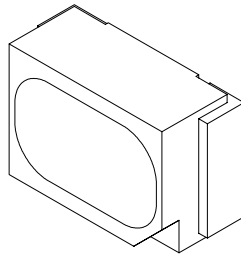
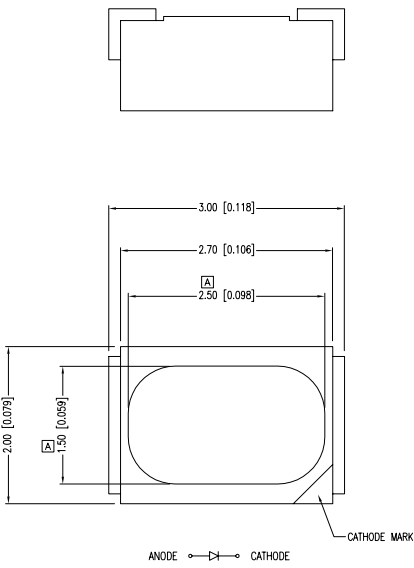
[Lumex, Inc.](#)  
[SML-LX23UPGC-TR](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

UNCONTROLLED DOCUMENT

PART NUMBER	SML-LX23UPGC-TR	REV.	C
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
12.15.09	E.C.N. #10603		A
03.28.11	E.C.N. #10BRDR & REDRAWN.		B



ELECTRO-OPTICAL CHARACTERISTICS		T <sub>a</sub> =25°C		I <sub>f</sub> =20mA			
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND		
PEAK WAVELENGTH		525		nm			
FORWARD VOLTAGE		3.5	4.0	V <sub>f</sub>			
REVERSE VOLTAGE	5.0			V <sub>r</sub>	I <sub>f</sub> =100μA		
AXIAL INTENSITY		500		mcd	I <sub>f</sub> =20mA		
VIEWING ANGLE		90		2x theta			
EMITTED COLOR:	GREEN						
EPOXY LENS FINISH:	WATER CLEAR LENS						

LIMITS OF SAFE OPERATION AT 25°C		PER CHIP		
PARAMETER	MAX	UNITS		
PEAK FORWARD CURRENT*	100	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		

\* t<10μS

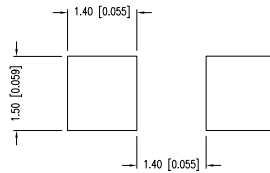
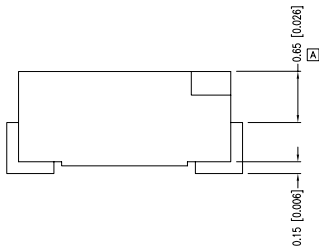
NOTES:

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

CAUTION: MOISTURE SENSITIVE DEVICE  
PER JEDEC LEVEL 4 STANDARDS

CAUTION: STATIC SENSITIVE DEVICE  
FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART.

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= +DECIMAL PRECISION MAX.= -DECIMAL PRECISION

**LUMEX**  
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2mm x 3mm SURFACE MOUNT WITH REFLECTOR, 525nm ULTRA PURE GREEN LED, WATER CLEAR LENS.

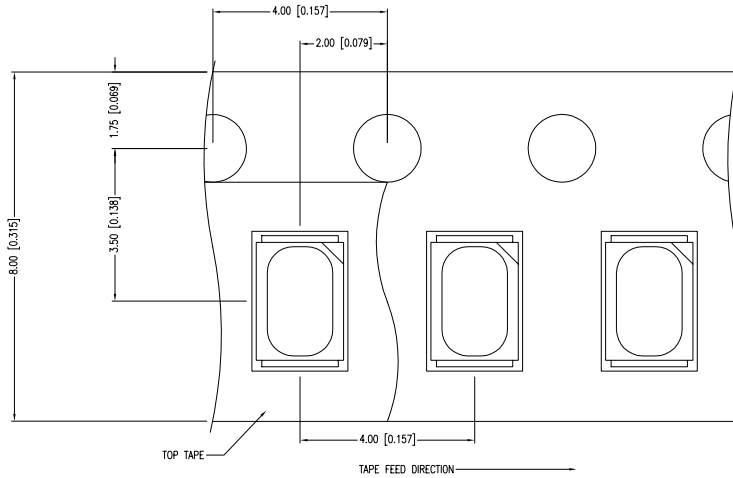
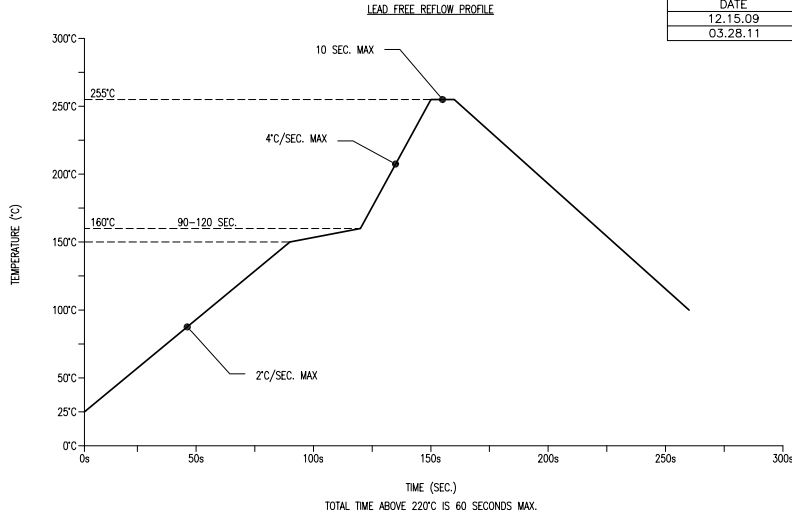
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DATE:	03.28.11	DRAWN BY:	AB
PAGE:	1 OF 2	CHKD BY:	JD
SCALE:	NTS	APRVD BY:	JD
UNIT:	mm [INCH]		

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