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Stocking Distributor

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[Lumex, Inc.](#)

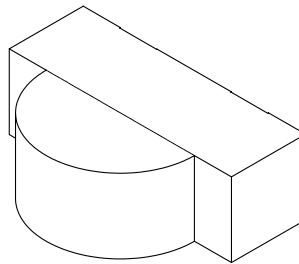
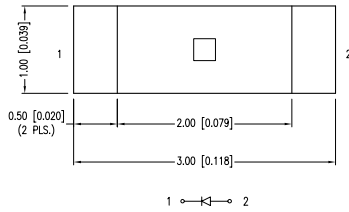
[SML-LXR851YC-TR](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

UNCONTROLLED DOCUMENT

PART NUMBER	SML-LXR851YC-TR	REV.	D
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
07.18.00	E.C.N. #10644		A
09.07.04	E.C.N. #10967		B
04.21.08	E.C.N. #11148		C
05.16.11	E.C.N. #11710/10BRDR. & REDRAWN.		D

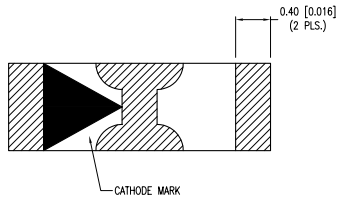
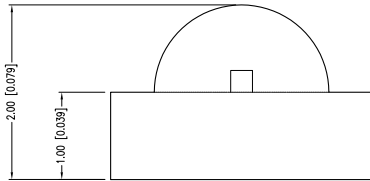


ELECTRO-OPTICAL CHARACTERISTICS TA = 25°C If = 20mA				
PARAMETER	MIN	TYP.	MAX	UNITS
PEAK WAVELENGTH		585		nm
FORWARD VOLTAGE		2.1	2.5	Vf
REVERSE VOLTAGE	5.0			Vr
AXIAL INTENSITY		6		mcd
VIEWING ANGLE		160		2x theta
EMITTED COLOR:	YELLOW			
EPOXY LENS FINISH:	WATER CLEAR			

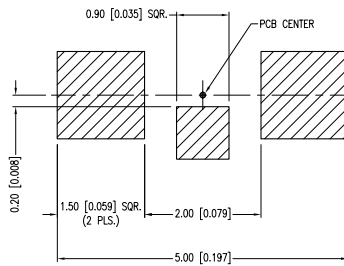
LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-25 TO +85	°C
STORAGE TEMP.	-30 TO +85	°C

* t<10µs

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 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=+DECIMAL PRECISION MAX=+0.00 -0.00 DECIMAL PRECISION



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1.0x3.0mm PCB RIGHT ANGLE SURFACE MOUNT LED, 585nm YELLOW, WATER CLEAR, TAPE & REEL.

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

CONFIDENTIAL INFORMATION

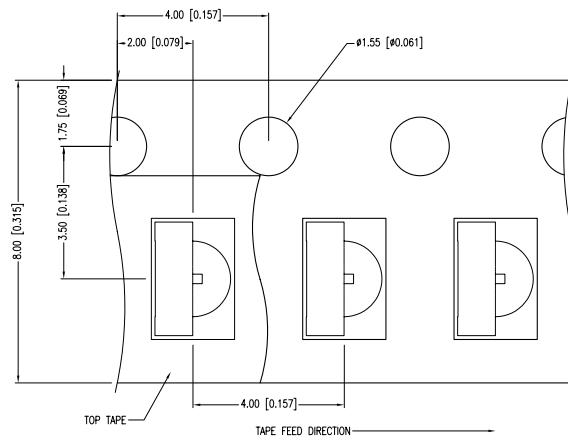
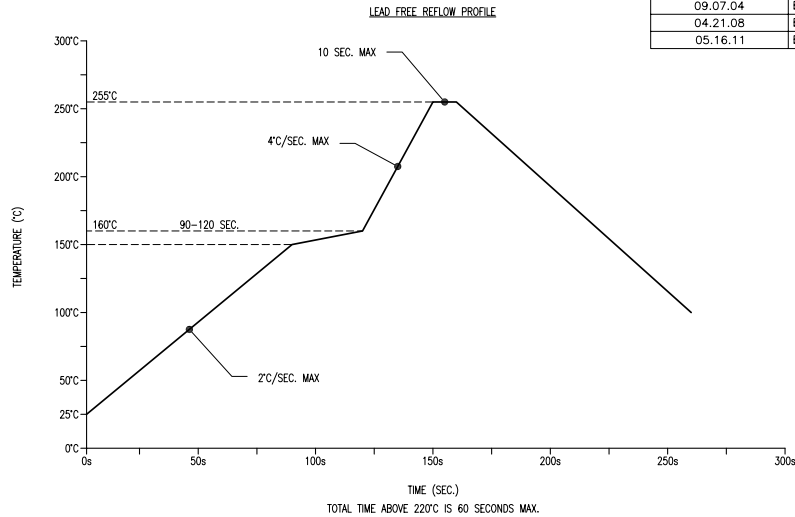
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DATE: 05.16.11	DRAWN BY: AB
PAGE: 1 OF 2	CHKD BY: KF
SCALE: NTS	APRVD BY: SS
UNIT: mm [INCH]	

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- NOTES:
- 2,000 PER REEL.
 - THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

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