

PART NUMBER		SML-LXR85YC-TR		REV.	L
DATE	E.C.N. NUMBER AND REVISION COMMENTS	E.C.N. #	10230.	REV.	A
08.23.96		E.C.N. #	10263		B
10.24.96		E.C.N. #	10338		C
05.02.97		E.C.N. #	10366		D
07.22.97		E.C.N. #	10380.		E
09.19.97		E.C.N. #	10BRDR. & REDRAWN.		F
10.15.97		E.C.N. #	10419.		G
03.05.98		E.C.N. #	10471.		H
10.23.98		E.C.N. #	10644.		I
07.18.00		E.C.N. #	10BRDR. & #10771.		J
07.30.01		E.C.N. #	11248.		K
08.12.05		E.C.N. #	10BRDR. & REDRAWN/ #11704.		L
03.18.11		E.C.N. #			

ELECTRO-OPTICAL CHARACTERISTICS TA = 25°C I_F = 20mA

PARAMETER	MIN	MAX	UNITS	TEST COND
PEAK WAVELENGTH	585	2.6	nm	I _F = 100µA
FORWARD VOLTAGE	2.1		V _F	
REVERSE VOLTAGE	5.0		V _R	I _F = 20mA
AXIAL INTENSITY	10		mcad	
VIEWING ANGLE	130		2x theta	
EMITTED COLOR:	YELLOW			
EPOXY LENS FINISH:	WATER CLEAR			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	65	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-25 TO +85	°C
STORAGE TEMP.	-30 TO +85	°C

* I_F < 10µS

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

*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

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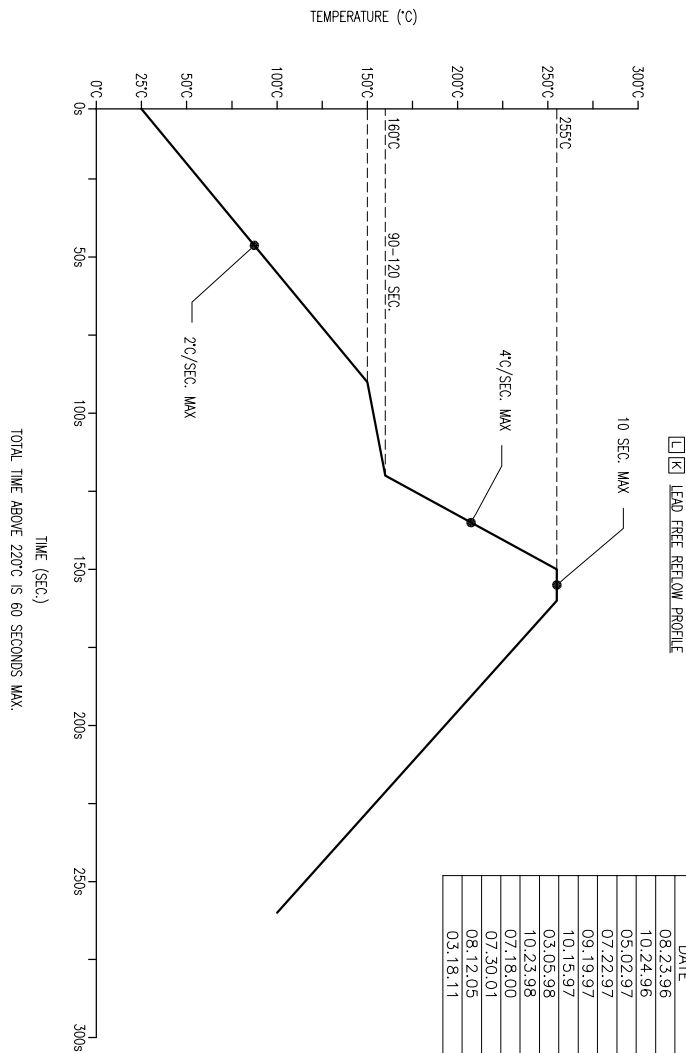
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0.5mm x 3.2mm PCB, RIGHT ANGLE SURFACE MOUNT LED, 585nm YELLOW, WATER CLEAR LENS, 3K PER REEL.

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

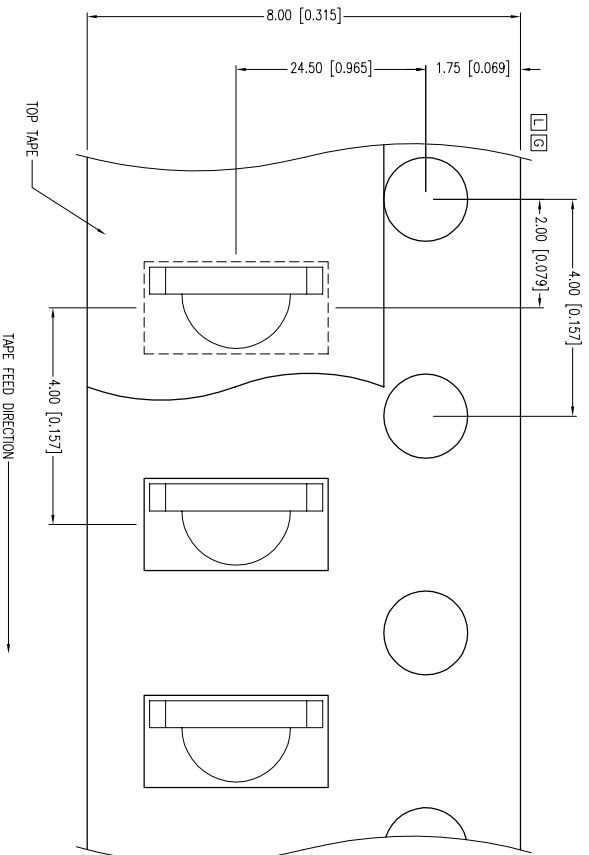
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DATE: 03.18.11 DRAWN BY: AB
PAGE: 1 OF 2 CHKD BY: JD
SCALE: NTS APRVD BY: JD
UNIT: mm [INCH]



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- NOTES:
- 3,000 PIECES PER REEL.
 - THE CATHODE IS ORIENTED TOWARDS THE TAPE SPOCKET HOLE.



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