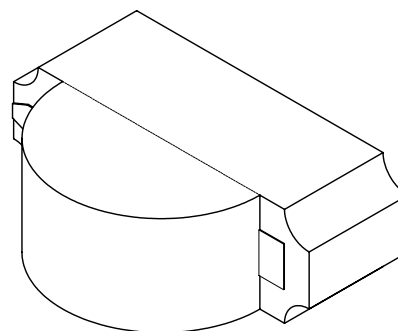
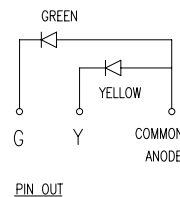
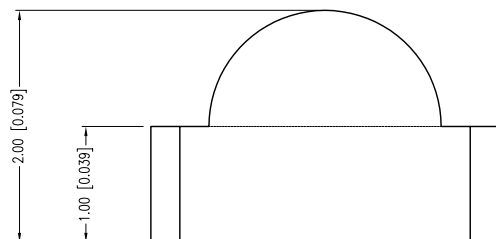
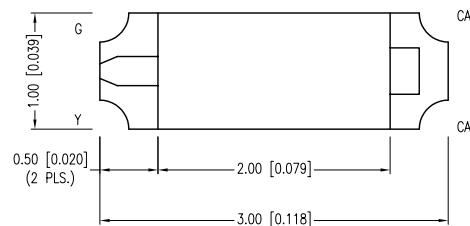


PART NUMBER	SML-LXR851GYW-TR	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
05.16.11	E.C.N. #11710/10BRDR. & REDRAWN.		A



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

PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH (G/Y)		565/585		nm	
FORWARD VOLTAGE (G/Y)		2.2/2.0	2.4	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100μA
AXIAL INTENSITY (G/Y)		8/4		mcd	If=20mA
VIEWING ANGLE		130		2x theta	
EMITTED COLOR:	GREEN/YELLOW				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

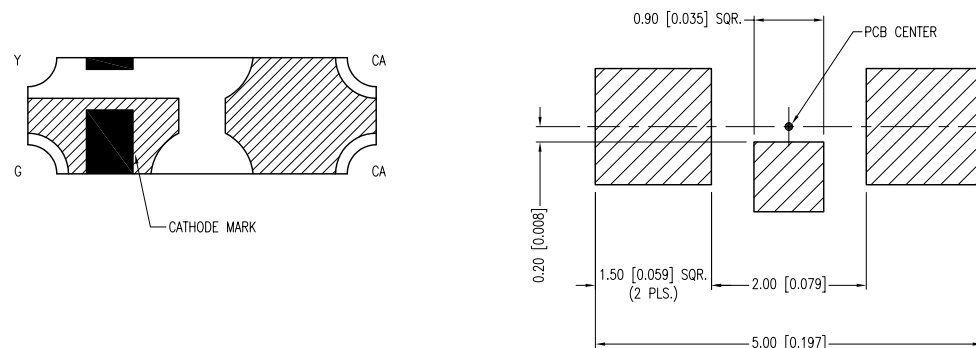
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT (G/Y)	25/30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

* t<10μS

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

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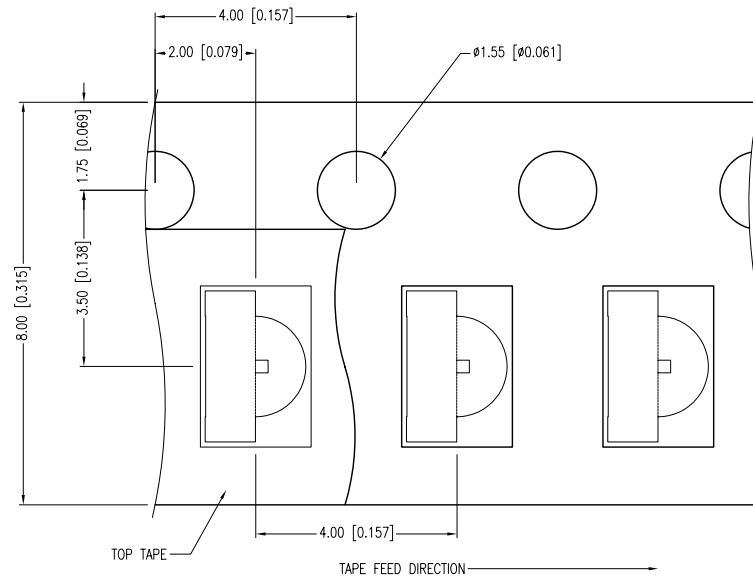
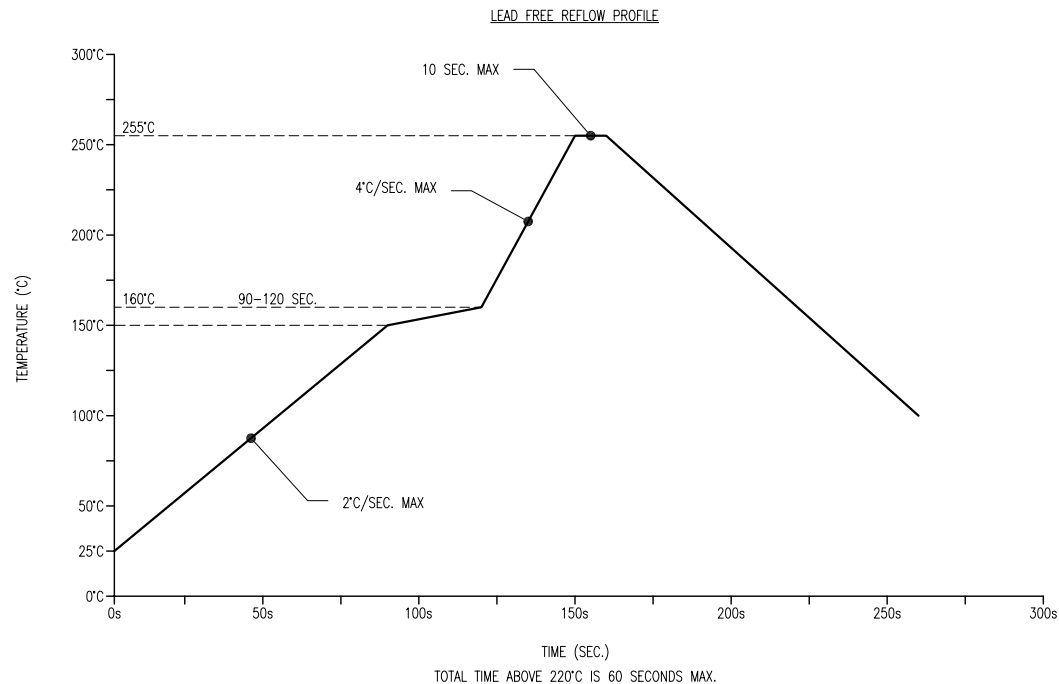
1.0x3.0mm RIGHT ANGLE SMT LED, 565/585nm GREEN/YELLOW, MILKY WHITE, TAPE & REEL.

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

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UNIT:	mm [INCH]		Ⓟ

PART NUMBER	SML-LXR851GYW-TR	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
05.16.11	E.C.N. #11710/10BRDR. & REDRAWN.		A

NOTES:

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

*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= $\begin{smallmatrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{smallmatrix}$ MAX.= $\begin{smallmatrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{smallmatrix}$

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