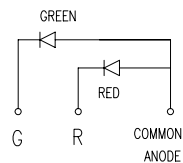
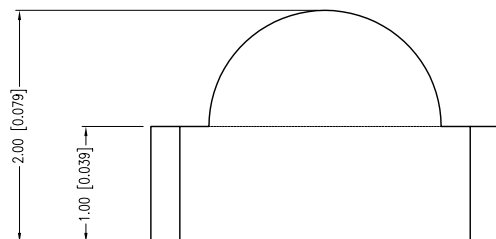
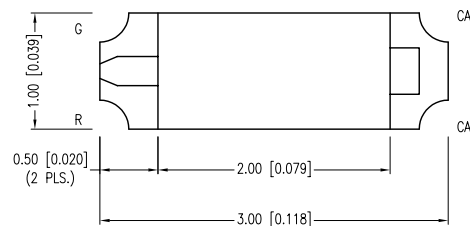
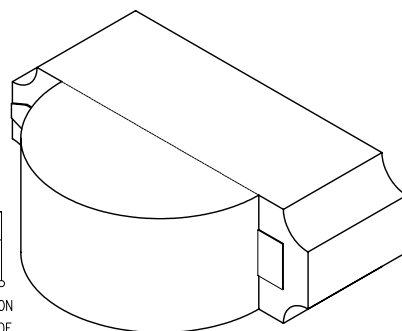


PART NUMBER	SML-LXR851GSRW-TR	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
05.16.11	E.C.N. #11710/10BRDR. & REDRAWN.		A



PIN OUT



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

PARAMETER	MIN	TYP.	MAX	UNITS	TEST COND
PEAK WAVELENGTH (G/R)		565/660		nm	
FORWARD VOLTAGE (G/R)		2.2/1.7	2.4	Vf	
REVERSE VOLTAGE	5.0			Vr	If=100μA
AXIAL INTENSITY (G/R)		4/20		mcd	If=20mA
VIEWING ANGLE		130		2x theta	
EMITTED COLOR:	GREEN/RED				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

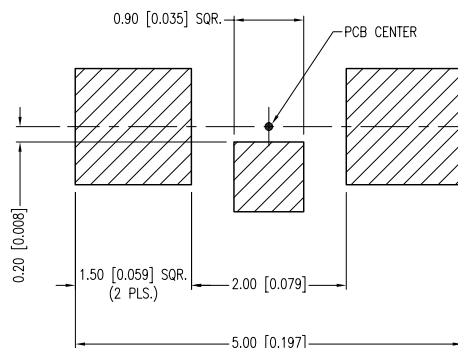
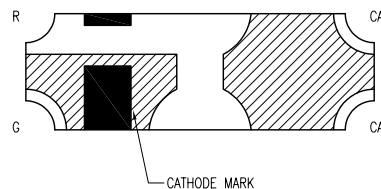
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT (G/R)	25/30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-20 TO +85	°C
STORAGE TEMP.	-30 TO +90	°C

* t<10μS

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

CAUTION: MOISTURE SENSITIVE DEVICE
1. SHELF LIFE IN SEALED BAG:
12 MONTHS AT <40°C AND <30% RELATIVE HUMIDITY (RH).
2. AFTER THIS BAG IS OPENED, DEVICES HAVE TO BE
MOUNTED WITHIN 48 HOURS OR STORED AT <30% RH.

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 ^{-DECIMAL PRECISION}

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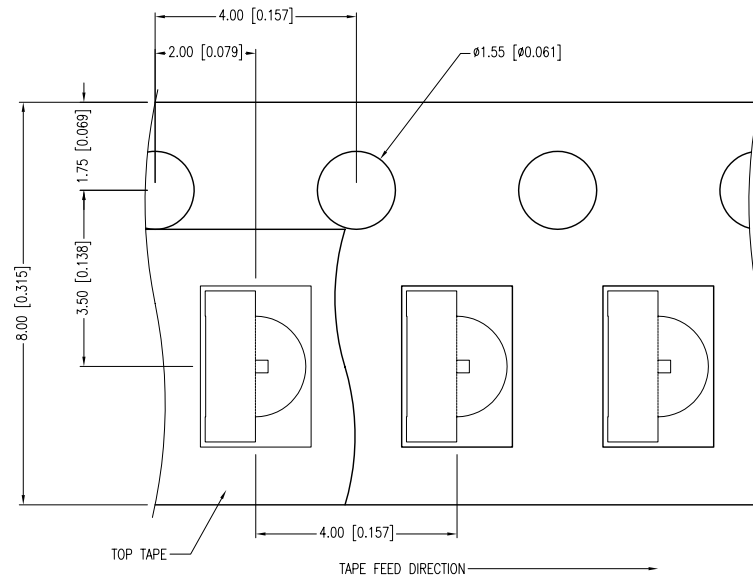
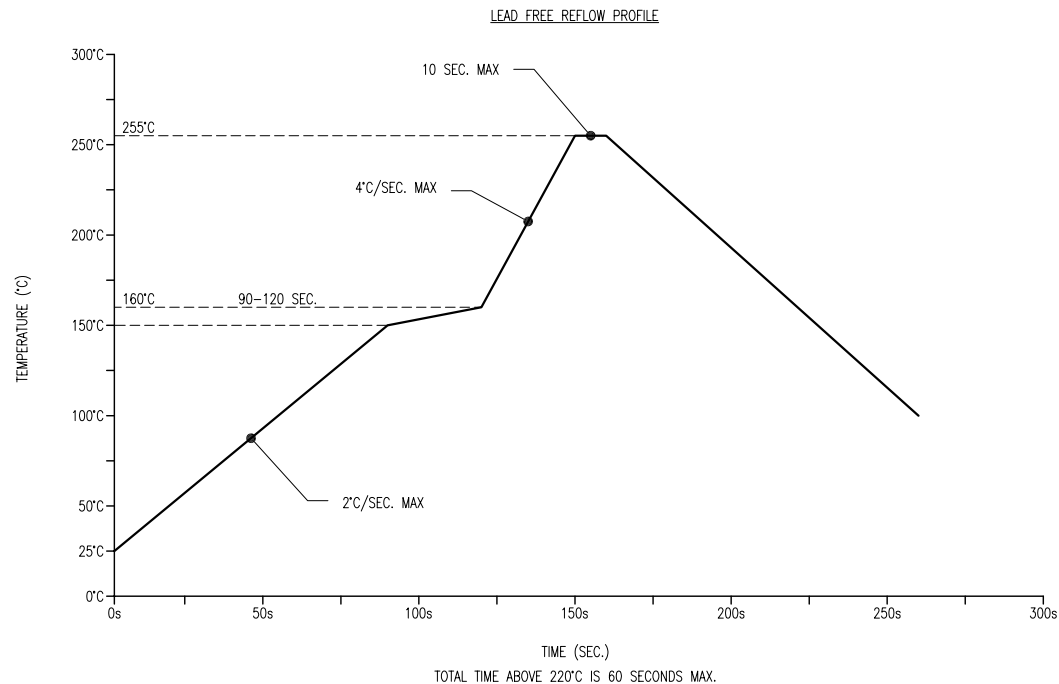
1.0x3.0mm PCB RIGHT ANGLE SURFACE MOUNT LED, 565/660nm GREEN/RED, MILKY WHITE DIFFUSED, TAPE & REEL.

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

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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]		Ⓟ

PART NUMBER	SML-LXR851GSRW-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.

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