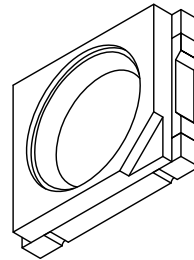
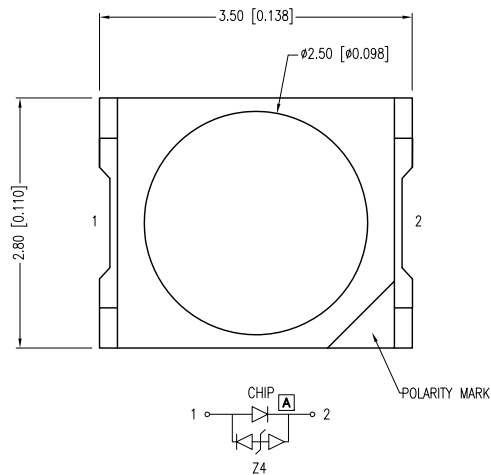


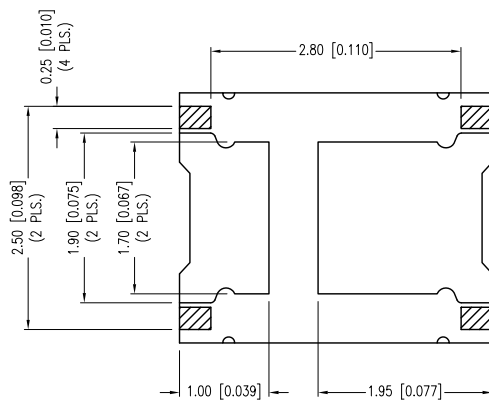
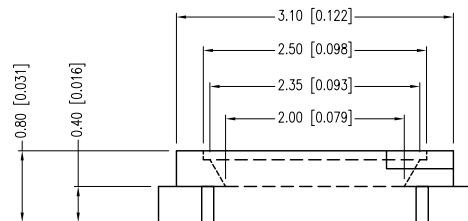
PART NUMBER	SML-LX2831NWC-TR	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
6.10.15	E.C.N. #11957		A



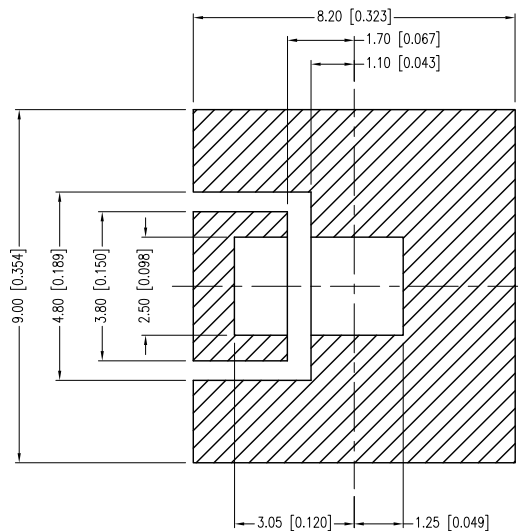
ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^{\circ}\text{C}$ $I_f=150\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH				nm	$I_f=150\text{mA}$
FORWARD VOLTAGE	2.7	3.5	4.0	Vf	$I_f=150\text{mA}$
REVERSE VOLTAGE	5.0			V	$V_r=10\mu\text{A}$
INTENSITY		8.5		cd	$I_f=150\text{mA}$
LUMINOUS FLUX		30		lm	$I_f=150\text{mA}$
COLOR TEMP.		4000		K	
VIEWING ANGLE		120			
EMITTED COLOR:	NEUTRAL WHITE				
LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	300	mA
STEADY CURRENT	150	mA
POWER DISSIPATION	600	mW
OPERATING TEMP.	-40 TO +85	$^{\circ}\text{C}$
STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$

* $t < 10\mu\text{s}$



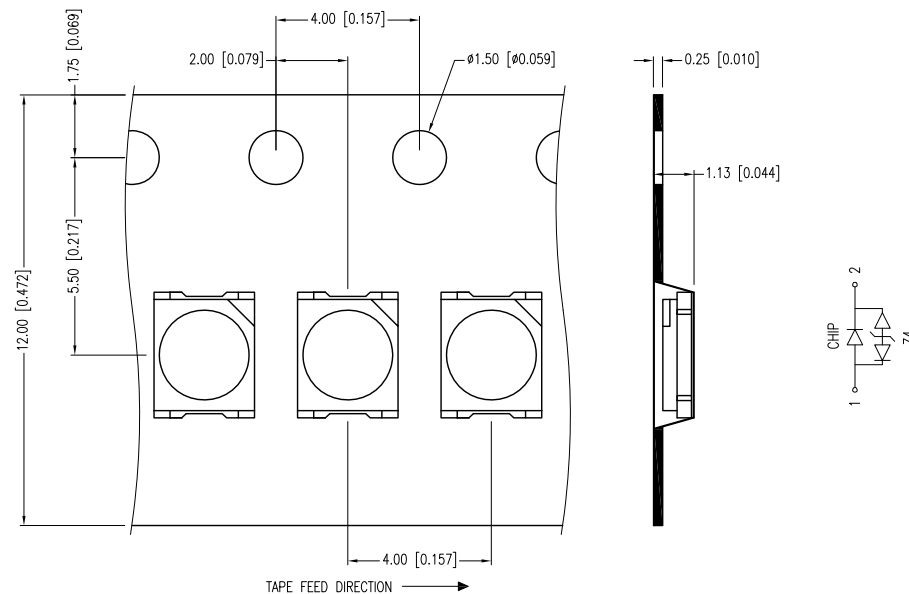
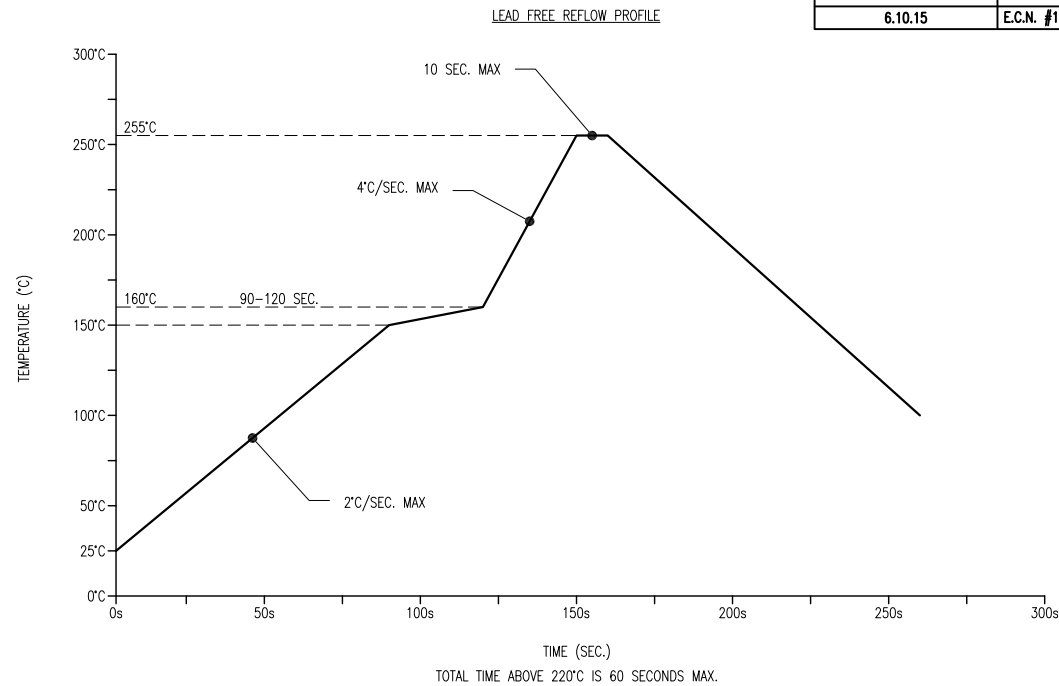
RECOMMENDED SOLDER PROFILE



*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= $^{+0.00}_{-0.00}$ DECIMAL PRECISION MAX= $^{+0.00}_{-0.00}$ DECIMAL PRECISION

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PART NUMBER	SML-LX2831NWC-TR	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
6.10.15	E.C.N. #11957		A



*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}

UNCONTROLLED DOCUMENT



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2.8mm X 3.1mm 0.5W SMD LED NEUTRAL WHITE, TAPE AND REEL.

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

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DATE:	04.11.14	DRAWN BY:	MA
PAGE:	2 OF 2	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	KF
UNIT:	mm [INCH]		Ⓟ