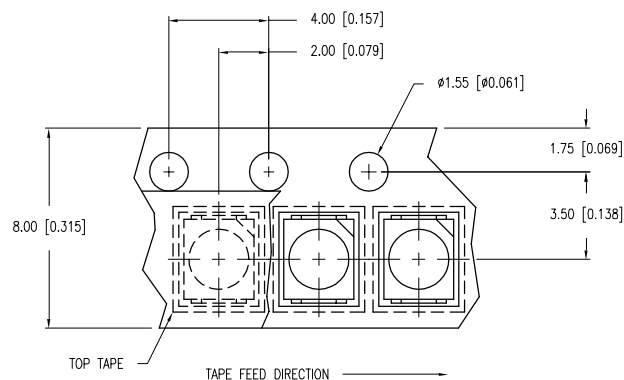
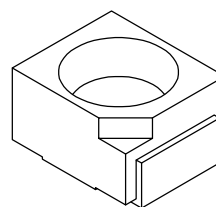
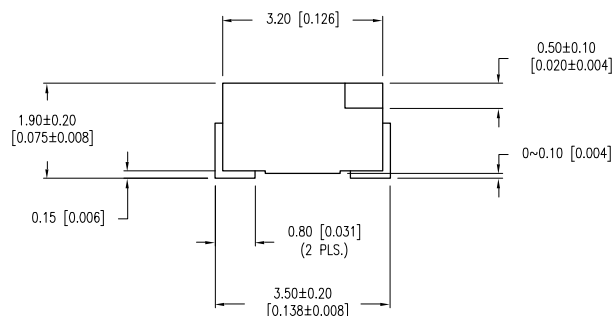
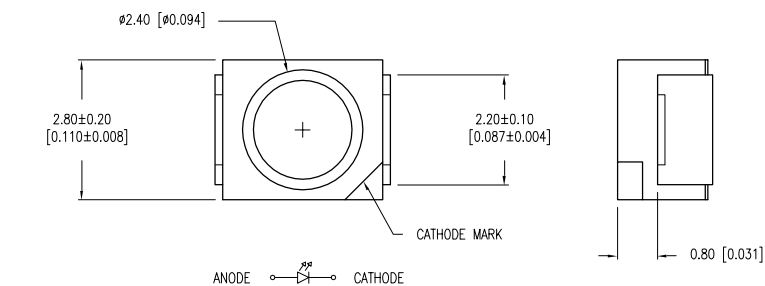
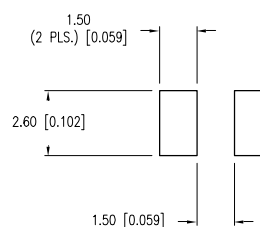


PART NUMBER	SML-LX2832PWC11938	REV.	C
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
02.08.05	E.C.N. #11148.		A
10.17.07	E.C.N. #11450.		B
05.05.10	E.C.N. #11627.		C



B RECOMMENDED SOLDER PAD LAYOUT

ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		(WHITE)		nm	
FORWARD VOLTAGE		3.5	4.0	V_f	$I_f = 20\text{mA}$
REVERSE VOLTAGE	5.0			V_r	$I_r = 10\mu\text{A}$
(*1) AXIAL INTENSITY	110		220	mcd	$I_f = 20\text{mA}$
CHROMACITY X	0.28		0.36		
(*2)(*3) COORDINATES Y	0.30		0.38		$I_f = 20\text{mA}$
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:	WHITE				
EPOXY LENS FINISH:	WATER CLEAR				

*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.

*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

*3. BIN CODE CHROMATICITY COORDINATES

	X	Y
N23	0.28~0.32	0.30~0.34
N24	0.28~0.32	0.32~0.36
N33	0.30~0.34	0.30~0.34
N34	0.30~0.34	0.32~0.36
N35	0.30~0.34	0.34~0.38
N44	0.32~0.36	0.32~0.36
N45	0.32~0.36	0.34~0.38

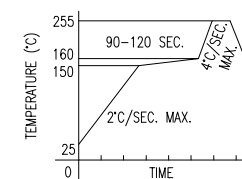
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT	I_P	100*	mA
STEADY CURRENT	I_F	30	mA
POWER DISSIPATION	P_D	120	mW
OPERATING TEMP.	T_{OPR}	-30 TO +100	$^\circ\text{C}$
STORAGE TEMP.	T_{STG}	-40 TO +80	$^\circ\text{C}$

*DUTY 1/10 PULSE WIDTH 10ms

B LEAD FREE REFLOW PROFILE

10 SEC. MAX.



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

NOTES:

- THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

C 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= ^{+DECIMAL PRECISION} _{-0.00} MAX= ^{+0.00} _{-DECIMAL PRECISION}



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2.8mm X 3.2mm SML /W REFLECTOR, ULTRA WHITE LED, WATER CLEAR LENS, 1,500 PCS PER TAPE & REEL.

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

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DATE: 12.07.01	DRAWN BY: CT
PAGE: 1 OF 1	CHKD BY: SS
SCALE: N/A	APRVD BY: KF
UNIT: mm [INCH]	(R) [A/B]