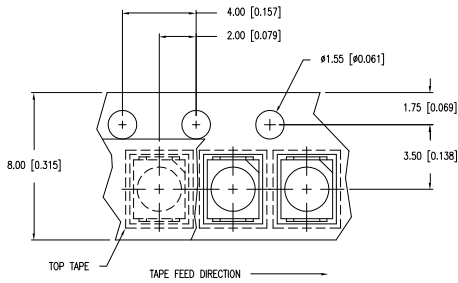
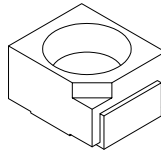
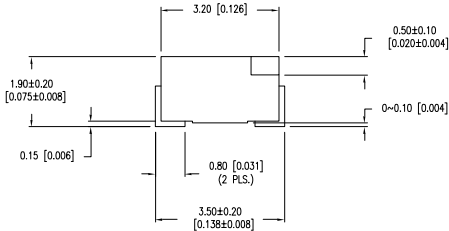
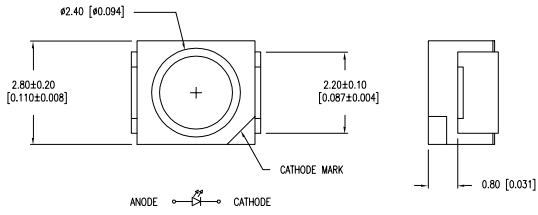
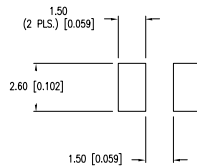


UNCONTROLLED DOCUMENT

PART NUMBER	SML-LX2832GC-TR	REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.	
03.14.03	E.C.N. #10967.		A
02.08.05	E.C.N. #11144B.		B
03.16.07	E.C.N. #11402.		C
10.17.07	E.C.N. #11450.		D
05.04.10	E.C.N. #11627.		E



RECOMMENDED SOLDER PAD LAYOUT



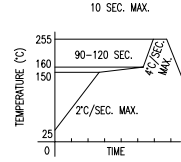
ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.1	2.8	$V_f$	
REVERSE VOLTAGE	5			$V_r$	$I_f=100\mu\text{A}$
AXIAL INTENSITY	10	25		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		120		$2x$ theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	25	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
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC. MAX

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

LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

NOTES:

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

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.=<sup>+DECIMAL PRECISION</sup><sub>-0.00</sub>, MAX.=<sup>+0.00</sup><sub>-DECIMAL PRECISION</sub>



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2.8mm X 3.2mm SML /W REFLECTOR, 565nm LED, WATER CLEAR LENS, 2,000 PCS PER TAPE & REEL.

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

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SCALE:	N/A	APRVD BY:	KF
UNIT:	mm [INCH]		