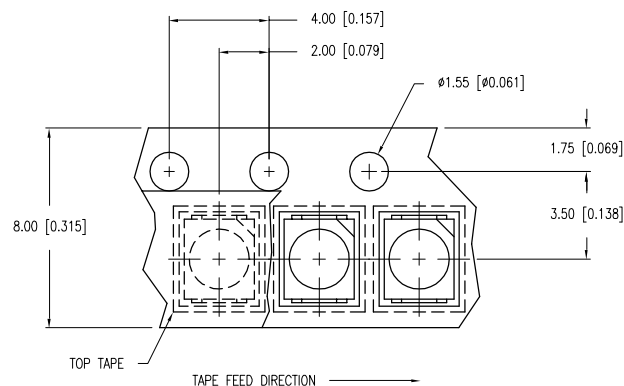
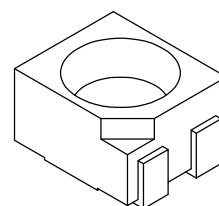
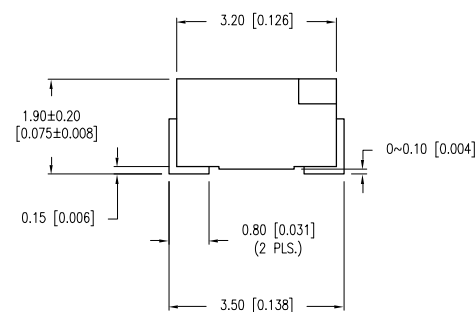
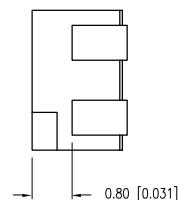
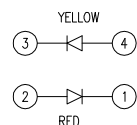
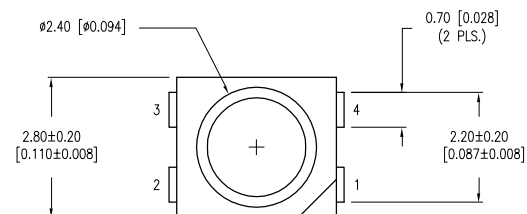
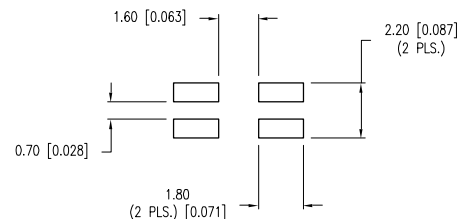


PART NUMBER	SML-LX2832SISYC-TR	REV.	C
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
02.08.05	E.C.N. #11148.		A
10.17.07	E.C.N. #11150.		B
05.05.10	E.C.N. #11627		C



[B] RECOMMENDED SOLDER PAD LAYOUT

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	COLOR	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			636		nm	
			590		nm	
FORWARD VOLTAGE			2.0	2.5	V_f	
REVERSE VOLTAGE		5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY			200		mcd	$I_f=20\text{mA}$
VIEWING ANGLE			120		2θ	
EMITTED COLOR:	RED/YELLOW					
EPOXY LENS FINISH:	WATER CLEAR					

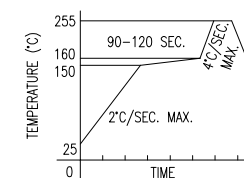
LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	185	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	170	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-25 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-30 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	3	SEC. MAX

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

[A] 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.

[C] CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X=\pm 1$ (± 0.039), $X.X=\pm 0.5$ (± 0.020), $X.XX=\pm 0.25$ (± 0.010), $X.XXX=\pm 0.127$ (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN= $\frac{+0.00}{-0.00}$ DECIMAL PRECISION MAX.= $\frac{+0.00}{-0.00}$ DECIMAL PRECISION



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2.8mm x 3.2mm SML /W REFLECTOR CUP, DUAL CHIP, 636nm/590nm LED, WATER CLEAR LENS, 2k PER REEL.

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

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DATE: 06.13.01	DRAWN BY: BC
PAGE: 1 OF 1	CHKD BY: SS
SCALE: N/A	APRVD BY: KF
UNIT: mm [INCH]	(P) [A]