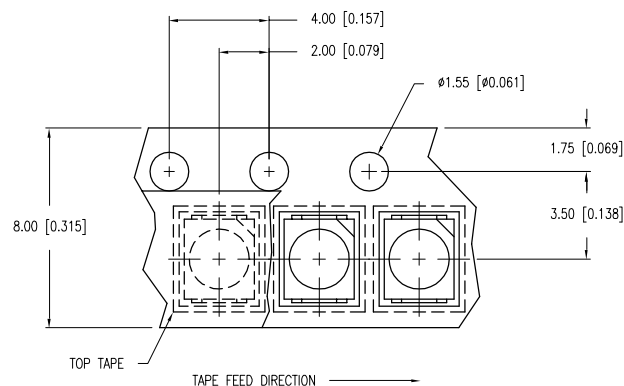
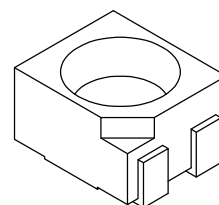
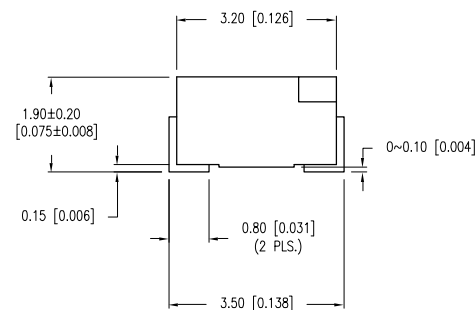
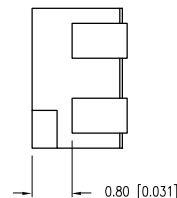
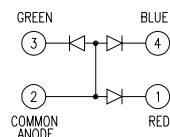
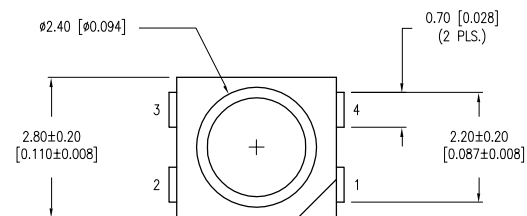
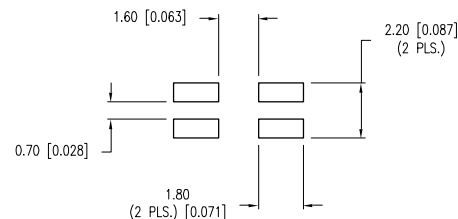


PART NUMBER	SML-LX2832SIUPUBTR	REV.	C
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
02.08.05	E.C.N. #11148.		A
10.18.07	E.C.N. #11150.		B
05.06.10	E.C.N. #11627		C



[B] RECOMMENDED SOLDER PAD LAYOUT

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

PARAMETER	RED	GREEN	BLUE	UNITS	TEST COND
PEAK WAVELENGTH	636	525	470	nm	
FORWARD VOLTAGE TYP	2.0	3.5	3.5	V_f	
FORWARD VOLTAGE MAX	2.6	4.0	4.0	V_f	
REVERSE VOLTAGE	5.0	5.0	5.0	V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY	200	100	60	mcd	$I_f = 20\text{mA}$
VIEWING ANGLE	120	120	120	$2x$ theta	
LED POSITION:	1	3	4		
FACE COLOR:	GRAY				
EPOXY LENS FINISH:	WATER CLEAR				

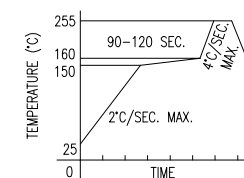
LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT* (R/G/B)	160/100/100	mA
STEADY CURRENT (R/G/B)	30/25/30	mA
POWER DISSIPATION (R/G/B)	120	mW
DERATE FROM 25°C (R/G/B)	$-1.2/-1.2/-2.0$	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:

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

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

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

*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 $= \pm 0.05$ (± 0.002), LEAD LENGTH $= \pm 0.75$ (± 0.030). MIN = $^{+0.00}_{-0.00}$ DECIMAL PRECISION MAX. = $^{+0.00}_{-0.00}$ DECIMAL PRECISION



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2.8mm x 3.2mm SML /W REFLECTOR CUP, DUAL CHIP, 636nm/525nm/470nm LED, WATER CLEAR LENS, 2k

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

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DATE: 06.28.01	DRAWN BY: CT
PAGE: 1 OF 1	CHKD BY: SS
SCALE: N/A	APRVD BY: KF
UNIT: mm [INCH]	(P) [A]