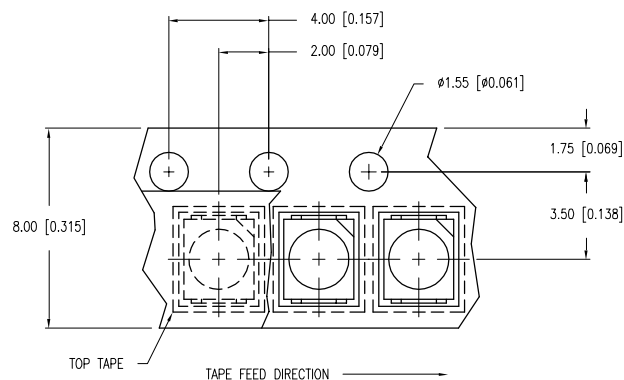
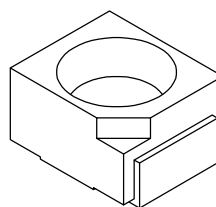
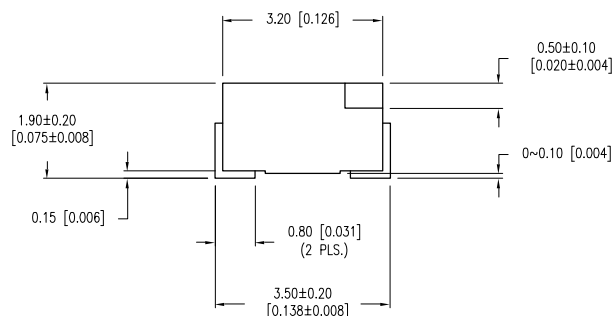
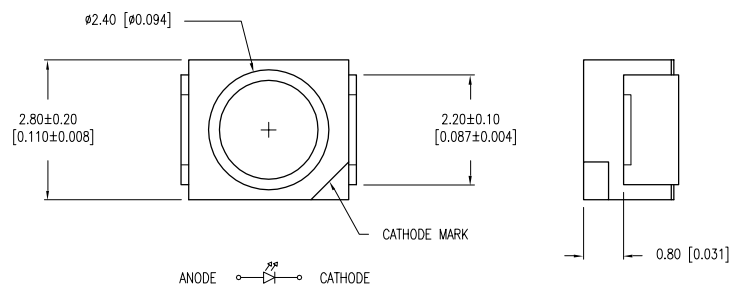
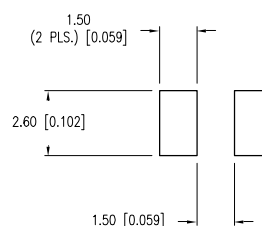


PART NUMBER	SML-LX2832DRC-TR	REV.	D
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
03.14.03	E.C.N. #10967.		A
02.08.05	E.C.N. #11148.		B
10.16.07	E.C.N. #11450.		C
05.04.10	E.C.N. #11627.		D



C 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		650		nm	
FORWARD VOLTAGE		2.0	2.4	V_f	
REVERSE VOLTAGE	5			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		40		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

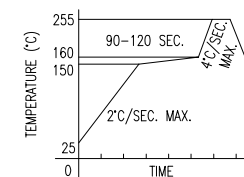
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	60	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

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

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.

D1A 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, 650nm LED, WATER CLEAR LENS

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

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DATE: 07.11.02	DRAWN BY: GB
PAGE: 1 OF 1	CHKD BY: SS
SCALE: N/A	APRVD BY: KF
UNIT: mm [INCH]	(P) B

Mouser Electronics

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