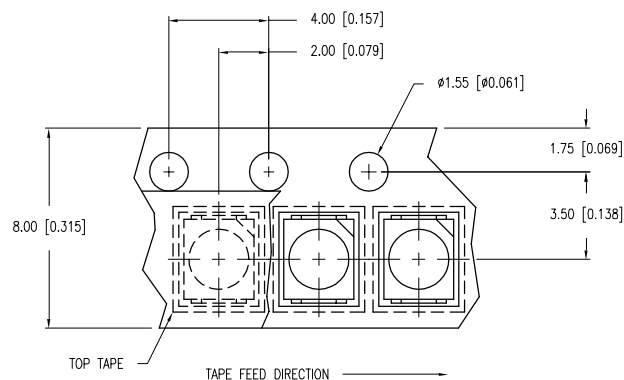
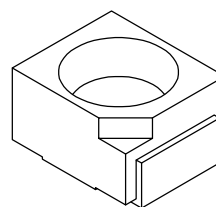
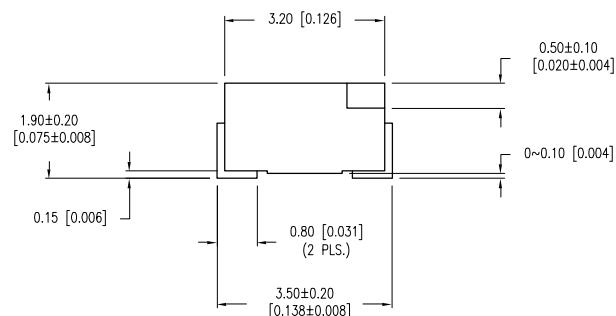
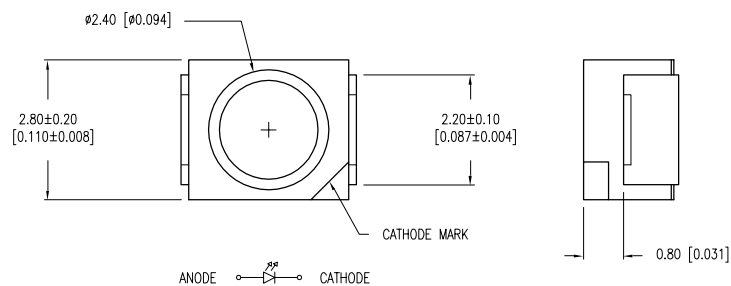
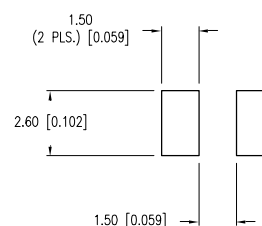


PART NUMBER	SML-LX2832PGC-TR	REV.	D
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
03.14.03	E.C.N. #10967.		A
02.08.05	E.C.N. #11148.		B
10.17.07	E.C.N. #11450.		C
05.05.10	E.C.N. #11627.		D



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		555		nm	
FORWARD VOLTAGE		2.1	2.8	V_f	
REVERSE VOLTAGE	5			V_r	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		15		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		120		$2 \times \theta$	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

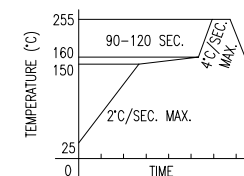
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING TEMP.	-30 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
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: $x = \pm 1$ (± 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 = ± 0.00 DECIMAL PRECISION, MAX = ± 0.00 DECIMAL PRECISION

LUMEX
Creating LED and LCD Solutions Together™

290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
FAX: +1.847.359.6538
WEB: WWW.LUMEX.COM

2.8mm X 3.2mm SML /W REFLECTOR, 555nm 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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