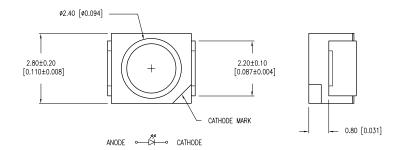
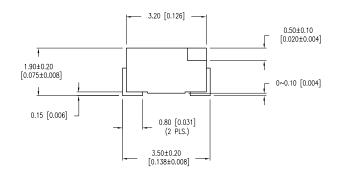
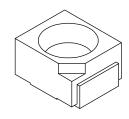
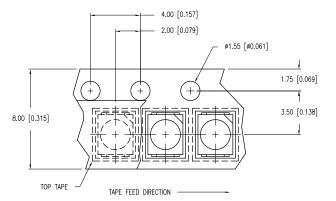
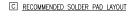
### UNCONTROLLED DOCUMENT

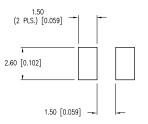












	PART NUMBER	SML-LX2832LGC-TR	REV.	D
I	DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
	03.14.03	E.C.N. #10967.		Α
	02.08.05	E.C.N. #11148.		В
	10.16.07	E.C.N. #11450.		С
	05.04.10	E.C.N. #11627.		D

ELECTRO-OPTICAL CH	ARACTERISTICS	T <sub>A</sub> =25°C	$I_f = 20 \text{mA}$		
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.1	2.5	V f	
REVERSE VOLTAGE	5.0			٧r	$I_r = 100 \mu A$
AXIAL INTENSITY		25		mcd	$I_f = 20mA$
	1.0			mcd	$I_f = 2mA$
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

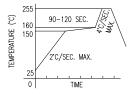
#### LIMITS OF SAFE OPERATION AT 25°C

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.	-30 TO +85	.c
STORAGE TEMP.	-40 TO +85	•c
SOLDERING TEMP.	+ 260	•c
2.0mm FROM BODY	3	SEC. MAX

<sup>\*</sup> t<10µS

## 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.

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.XX=±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 UNCONTROLLED DOCUMENT



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, 565nm LED, WATER CLEAR LENS, 2K PCS PER TAPE & REEL.

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

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**Authorized Distributor** 

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