

7	PART NUMBER	SML-LX2832ZIC-TR re	V.	Е
I	DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
Ī	03.14.03	E.C.N. #10967.		Α
ĺ	02.08.05	E.C.N. #11148.		В
	10.16.07	E.C.N. #11450.		С
	05.06.10	E.C.N. #11627.		D
Ī	04.11.12	E.C.N. #10BRDR. & REDRAWN/#11812.		Ε

ELECTRO-OPTICAL	CHARACTERISTIC	S Ta=25°C If=	=20mA		
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		630		nm	
FORWARD VOLTAGE		2.4	2.8	Vf	
REVERSE VOLTAGE	5.0			Vr	Ir=100µA
AXIAL INTENSITY		800		mcd	If=20mA
VIEWING ANGLE		120		2x theta	
EMITTED COLOR:	RED				
LENS FINISH:	WATER CLEA	IR			

LIMITS OF SAFE OPERATION AT 25°C PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	120	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.

E D A

CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 3 STANDARDS

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102]-	
[0.1	
99	

1.50 [0.059] 1.50 [0.059] (2 PLS.)

C RECOMMENDED SOLDER PAD LAYOUT

\*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=  $^{+DECIMAL}_{-0.00}$  PRECISION MAX.=  $^{+0.00}_{-0.00}$  MAX.=  $^{+0.00}_{-0.00}$  PRECISION ARE: X=±1 (±0.039), X.XX=±0.5 (±0.020), X.XX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.002), LEAD SIZE=±0.05 (±0.003). MIN=  $^{+DECIMAL}_{-0.00}$  PRECISION MAX.=  $^{+0.00}_{-0.00}$  PRECISIO

2.8mm X 3.2mm SML /W REFLECTOR, 630nm 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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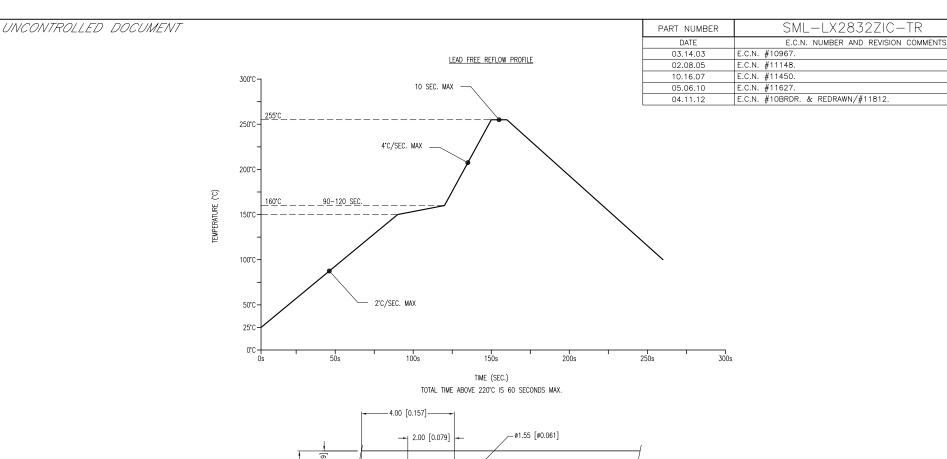
UNCONTROLLED DOCUMENT DATE: 04.11.12 DRAWN BY: AΒ PAGE: 1 OF 2 CHKD BY: DT SCALE: NTS APRVD BY: DT (Pg) UNIT: mm [INCH]

Creating LED and LCD Solutions Together™

0.15 [0.006]-0~0.10 [0.004]

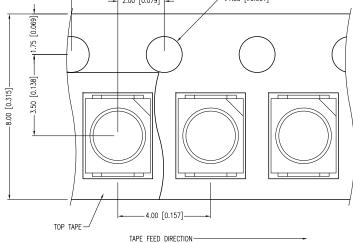
0.80 [0.031] (2 PLS.)

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



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290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538 WEB: WWW.LUMEX.COM MEMBER OF ITW PHOTONICS GROUP 2.8mm X 3.2mm SML /W REFLECTOR, 630nm LED, WATER CLEAR LENS, 2,000 PCS PER TAPE & REEL.

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UNIT: mm [INCH]			(%)			

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**Authorized Distributor** 

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Lumex:

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