PART NUMBER

SML-LX2735SIC-TR

TYP

636

2.5

1200

120

WATER CLEAR LENS

 $I_f = 30 \text{mA}$ 

UNITS

٧f

mcd

2x theta

MAX

2.8

1800

MAX

200

70

200

-1.2

-40 TO +85

-40 TO +85

+260

ELECTRO-OPTICAL CHARACTERISTICS TA = 25°C

LIMITS OF SAFE OPERATION AT 25°C

PEAK FORWARD CURRENT\*

2.1

5.0

700

PARAMETER

PEAK WAVELENGTH FORWARD VOLTAGE

REVERSE VOLTAGE

AXIAL INTENSITY

VIEWING ANGLE

EMITTED COLOR: EPOXY LENS FINISH:

PARAMETER

STEADY CURRENT

POWER DISSIPATION

DERATE FROM 25°C

2.0mm FROM BODY

OPERATING TEMP.

STORAGE TEMP. SOLDERING TEMP.

\* t<10uS

REV.

TEST COND

I<sub>r</sub>=10uA

I<sub>f</sub>=50mA

UNITS

mΑ

mΑ

mW

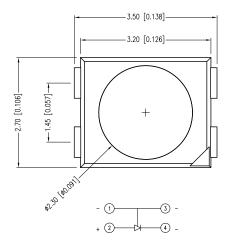
mW/°C

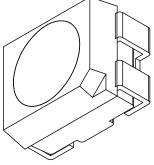
·C

·C

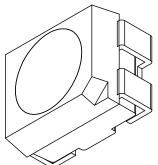
·C

3 SEC. MAX





.070]		



- 1. THE POLARITY MARK IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
- 2. 2,000 PER REEL.

CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 2 STANDARDS

<sup>QO,85</sup> [QO,033]		
0.75 [0.028]	+	
0.70		
0.80 [0.031]_ (4 PLS.)	1.90 [0.075]	_

\*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=  $^{+0.00}_{-0.00}$  PRECISION MAX.=  $^{+0.00}_{-0.00}$  PRECISION  $^{-0.00}_{-0.00}$  MAX.=  $^{+0.00}_{-0.00}$  PRECISION  $^{-0.00}_{-0.00}$  PRECISION  $^{-0.00}_{-0$ UNCONTROLLED DOCUMENT 2.7mm x 3.5mm SML /W REFLECTOR CUP, 636nm, PLCC-3 LED, WATER CLEAR LENS, 2k PER REEL.

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

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE: 01.10.13 DRAWN BY: MA PAGE: 1 OF 2 CHKD BY: DT SCALE: NTS APRVD BY: DT UNIT: mm [INCH] (Pb)



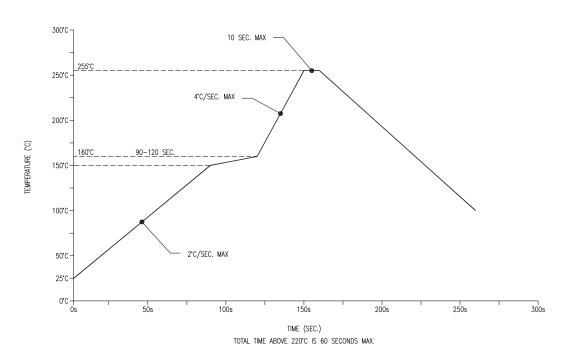
290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 FAX: +1.847.359.6538

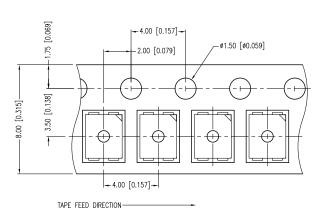
PART NUMBER

SML-LX2735SIC-TR

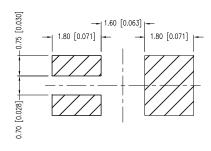
REV.

## LEAD FREE REFLOW PROFILE





## RECOMMENDED SOLDER PAD LAYOUT





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

2.7mm x 3.5mm SML /W REFLECTOR CUP, 636nm, PLCC-3 LED, WATER CLEAR LENS, 2k PER REEL.

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

CONFIDENTIAL INFORMATION
THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.

DATE:	01.10.13	DRAWN BY:	MA
PAGE:	2 OF 2	CHKD BY:	DT
SCALE:	NTS	APRVD BY:	DT
UNIT: mm [INCH]		Po	