

PART NUMBER	SML-LX1210SRSGC-TR REV.	J
DATE	E.C.N. NUMBER AND REVISION COMMENTS	REV.
11.06.95	ADDED TAPE W/POLARITY AND DIRECTION.	Α
03.17.97	E.C.N. #10324.	В
05.22.98	E.C.N. #10404, & #10BRDR & REDRAWN.	С
01.04.01	E.C.N. #10695.	D
01.25.02	E.C.N. #10834.	E
03.25.03	E.C.N. #10972.	F
02.07.05	E.C.N. #11148.	G
03.10.09	E.C.N. #11508.	Н
07.22.11	E.C.N. #10BRDR. & REDRAWN.	
11.07.18	ECN-Lumex201800168	J

ELECTRO-OPTICAL CHAP	RACTERISTICS Ta	=25°C	If=20mA		
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH (R/	G)	660/565		nm	
FORWARD VOLTAGE (R/	(G)	1.7/2.2	2.2/2.6	Vf	
REVERSE VOLTAGE	5.0			Vr	lr=100μA
AXIAL INTENSITY (R/G)		15/10		mcd	If=20mA
VIEWING ANGLE		160		2x theta 1/2	
EMITTED COLOR:	RED/GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C				
PARAMETER	MAX	UNITS		
PEAK FORWARD CURRENT*	100	mA		
STEADY CURRENT (R/G)	30/25	mA		
POWER DISSIPATION (R/G)	80/65	mW		

mW/°C DERATE FROM 25°C -1.2OPERATING TEMP. -25 TO +85 °C STORAGE TEMP. −30 TO +85

\* t<10µS

CAUTION: MOISTURE SENSITIVE DEVICE PER JEDEC LEVEL 3 STANDARDS

RECOMMENDED SOLDER PAD LAYOUT

0.40 [0.016]			
1.00 [0.039]			
†	1.50 [0.059]	— 2.00 [0.079]——	1.50 [0.059]

\*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=±0.25 (±0.010), X.XXX=±0.127 (±0.005). UNCONTROLLED DOCUMENT



425 N. GARY AVE. CAROL STREAM, IL 60188-4900 PHONE: 800-278-5666 FAX: 630-315-2152

2.7x 3.2mm P.C.B. SURFACE MOUNT LED, DUAL RED/GREEN CHIPS, WATER CLEAR LENS, TAPE & REEL.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE.\*\*

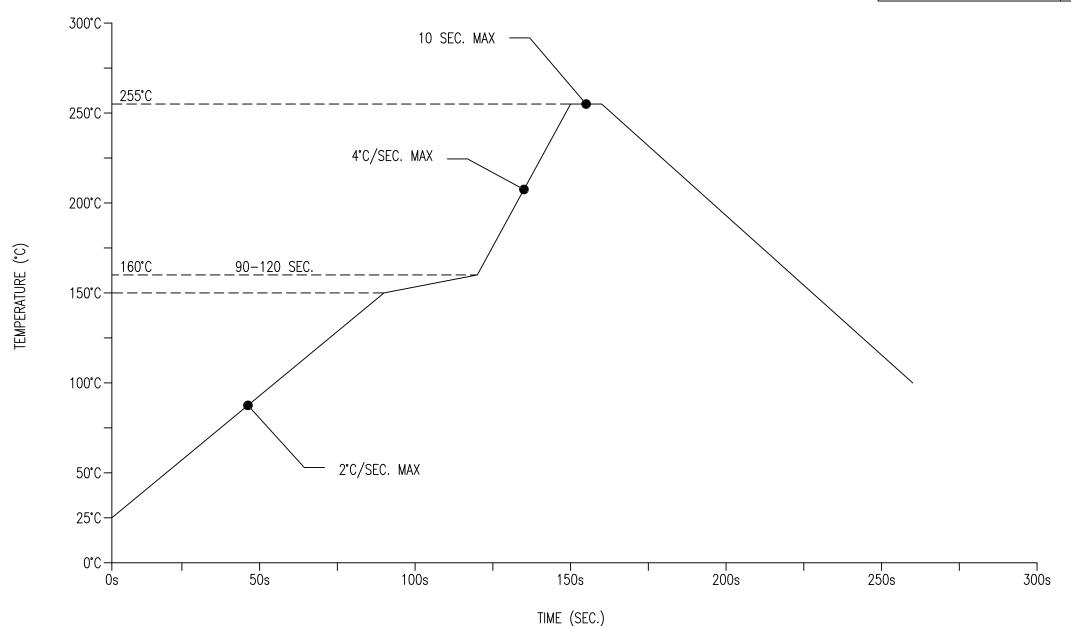
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11.07.18 DRAWN BY: DATE: C.S. PAGE: 1 OF 2 CHKD BY: E.C. SCALE: NTS APRVD BY: G.Y. Pb UNIT: mm [INCH]

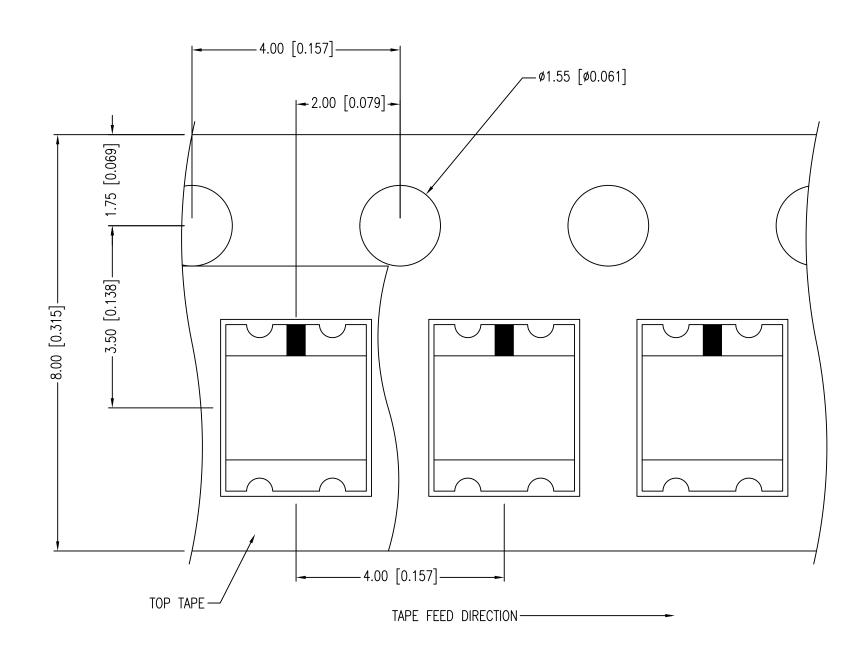
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LEAD FREE REFLOW PROFILE

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



## NOTES:

- 1. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.
- 2. LOCATION FOR CATHODE MARK CAN BE EITHER ON THE TOP OR BOTTOM OF THE PART.

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## **Mouser Electronics**

**Authorized Distributor** 

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