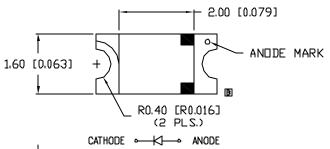
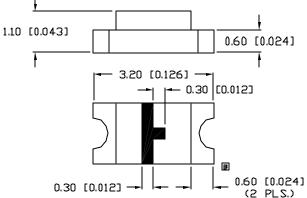
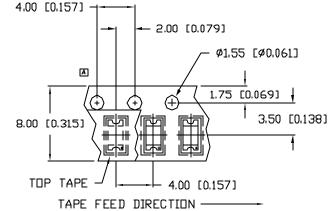
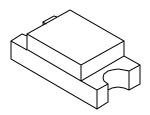
UNCONTROLLED DOCUMENT









10 SEC. MAX.

LEAD FREE REFLOW PROFILE

TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

TIME

RECOMMENDED SOLDER PAD LAYOUT 1.50 [0.059] 2.00 [0.079]

PART NUMBER SML-LX1206SRW-TR

REV.

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
Α	E.C.N. #10644. & REDRAWN IN 3D.	7.18.00
В	E.C.N. #10814.	12.3.01
С	E.C.N. #10967.	3.14.03
D	E.C.N. #11065.	12.9.03
Ε	E.C.N. #11148.	1.20.05

ELECTRO-OPTICAL CHARACTERISTICS TA=25°C If=20mA					
PARAMETER	MIN	TY₽	MAX	UNITS	TEST COND
PEAK WAVELENCTH		660		nm	
FORWARD VOLTAGE		1.8	2.2	v_f	
REVERSE VOLTAGE	4.0			V_r	Ir=100μA
axial intensity		15		mcd	$I_f = 20mA$
VIEWING ANGLE		160		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	MILKY V	VHITE DIFFUSI	ED		

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS	
PEAK FORWARD CURRENT*	100	mA	
STEADY CURRENT	<i>3</i> 0	mA	
POWER DISSIPATION	80	mW	
DERATE FROM 25°C	- 1.2	mW/℃	
OPERATING TEMP.	- 25 TO + 85	·c	
STORAGE TEMP.	- 30 TO +85	•c	

NOTES:

□1. THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.



CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEG LEVEL 4 STANDARDS

*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.XX=±0.127 (±0.005), LEAD SIZE=±0.05 (0.002), LEAD LENGTH=±0.75 (±0.030). MN= +0.00 (0.002), LEAD SIZE=±0.05 (0.002), LEAD S

PART NUMBER

E SML-LX1206SRW-TR

3.2mm x 1.6mm PCB SURFACE MOUNT LED, 660nm SUPER RED, LED, MILKY WHITE DIFFUSED LENS, TAPE AND REEL. CONFIDENTIAL INFORMATION

THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX NO. EXCEPT AS SPECIFICALLY AUTHORIZED IN WITTING BY LUMEX INC., THE HALDER 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 THEO PARTIES.

RELIABILITY NOTE

OUR MANY YEARS OF EXPERIENCE DATA ACCUMULATION INDICATE THAT

SOLDER HEAT IS A MAJOR CAUSE OF EARLY AND FUTURE FAILURE.

PLEASE PAY ATTENTION TO YOUR SOLDERING PROCESS.



BC

290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

DRAWN BY: CHECKED BY: APPRO

APPROVED BY: DATE: 6.30.98
PAGE: 1 OF 1
SCALE: N/A