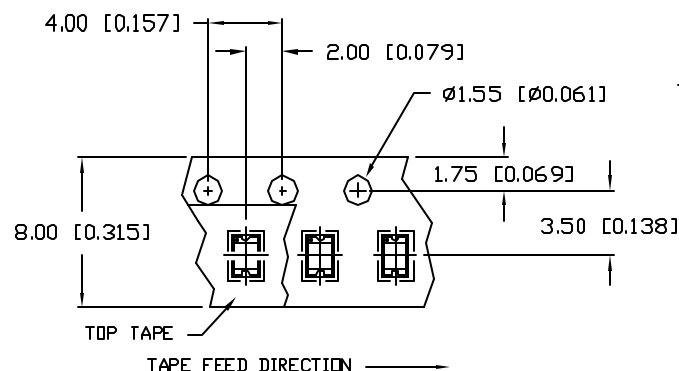
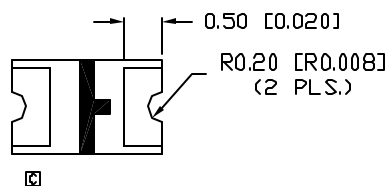
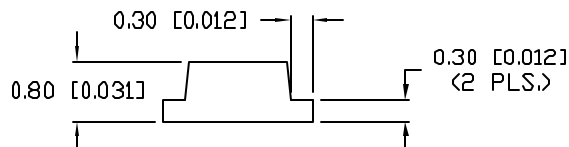
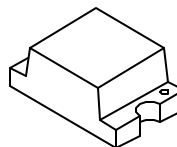
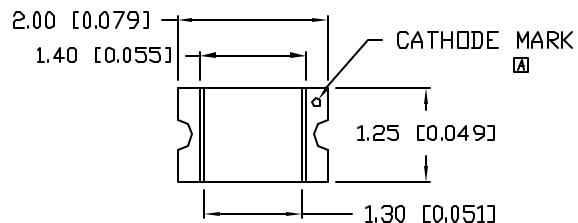


UNCONTROLLED DOCUMENT

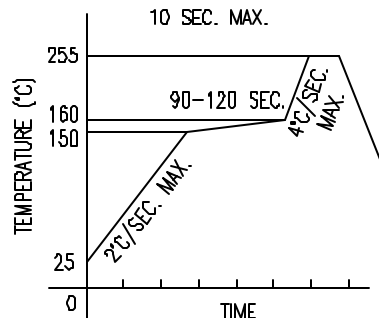
PART NUMBER
SML-LXT0805GW-TR

REV.
F

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10567.	12.8.99
B	E.C.N. #10695.	1.2.01
C	E.C.N. #10814.	2.25.02
D	E.C.N. #10967.	3.22.04
E	E.C.N. #11248.	8.12.05
F	E.C.N. #11508.	05.19.08

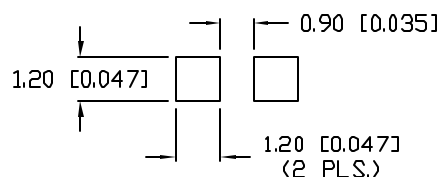


LEAD FREE REFLOW PROFILE



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

RECOMMENDED SOLDER PAD LAYOUT



ELECTRO-OPTICAL CHARACTERISTICS TA=25°C If=20mA

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.0	2.8	Vf	
REVERSE VOLTAGE	5.0			Vr	If=100µA
AXIAL INTENSITY	6.3	11		md	If=20mA
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	50	mW
DERATE FROM 25°C	- 1.2	mW/°C
OPERATING TEMP.	- 25 TO +80	°C
STORAGE TEMP.	- 30 TO +85	°C

* t<10µs

NOTES:

- 4K PER REEL
- CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

UNCONTROLLED DOCUMENT

*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 PRECISION MAX.= +0.00 -DECIMAL PRECISION

REV.
F

PART NUMBER
SML-LXT0805GW-TR

2.0mm x 1.25mm THIN PCB SURFACE MOUNT,
565nm GREEN LED,
MILKY WHITE DIFFUSED LENS, TAPE AND REEL.

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.

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.



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:

BC

CHECKED BY:

APPROVED BY:

DATE: 2.17.99

PAGE: 1 OF 1

SCALE: N/A