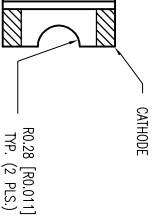




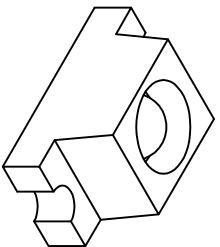
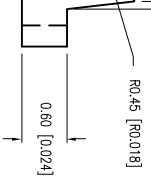
**THE DATASHEET OF
SML-LXL1206SIC-TR**



PART NUMBER		SML-LXL1206SIC-TR		REV.	D
DATE	E.C.N. #10967	E.C.N. NUMBER AND REVISION COMMENTS		REV.	
03.14.03	E.C.N. #11148			A	
03.17.05	E.C.N. #11508			B	
05.26.10	E.C.N. #11665			C	
10.12.10				D	



MODE



ELECTRO-OPTICAL CHARACTERISTICS $I_A=25\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636		nm	
FORWARD VOLTAGE		2.0	2.6	V _f	$I_f=100\mu\text{A}$
REVERSE VOLTAGE	5.0			V _r	$I_f=20\text{mA}$
AXIAL INTENSITY		75		med	
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR				

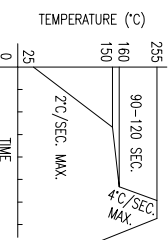
LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
* I_C=0.5		

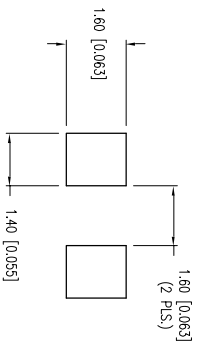
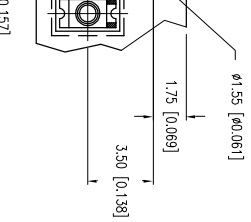
CAUTION: MOISTURE SENSITIVE DEVICE
PER JEDEC LEVEL 2 STANDARDS

- NOTES:
- THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

LEAD FREE REFLOW PROFILE
10 SEC. MAX.



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.



RECOMMENDED SOLDER PAD LAYOUT

DATE: X=±1 (+0.039), X-X=±0.5 (+0.020), X-X=±0.25 (+0.010), X-X-X=±0.127 (+0.005), LEAD SIZE=±0.05 (+0.002), LEAD LENGTH=±0.75 (+0.030), MIN= -0.00
E. HELEN ROAD
TINE, IL 60067-6976
TEL: +1.847.359.2790
WWW.LUMEX.COM

DATE: 01.08.01
PAGE: 1 OF 1
SCALE: N/A
UNIT: mm [INCH]

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3.0mm x 1.6mm PCB SURFACE MOUNT LED WITH LENS,

UNCONTROLLED DOCUMENT

DRAWN BY: CT
CHKD BY: KF
APPRD BY: SA

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