

UNCONTROLLED DOCUMENT

PART NUMBER
SSL-LXA1725GC-TR

REV.
L

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	CHANGED PART NUMBER.	7.24.95
B	E.C.N. #10117.	1.29.96
C	E.C.N. #10130.	2.29.96
D	E.C.N. #10209.	7.9.96
E	E.C.N. #10275.	11.22.96
F	E.C.N. #10BRDR. & REDRAWN.	5.27.98
G	E.C.N. #10462. & #10BRDR.	10.8.98
H	E.C.N. #10543.	8.11.99
I	E.C.N. #10601.	3.13.00
J	E.C.N. #10695	1.5.01
K	E.C.N. #10761.	6.18.01
L	E.C.N. #11148	11.16.06

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.2	2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		25		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		130		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

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

* $I_t < 10\mu\text{S}$

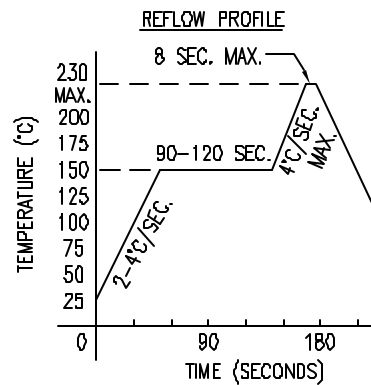
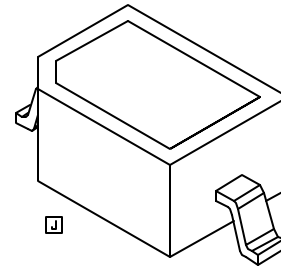
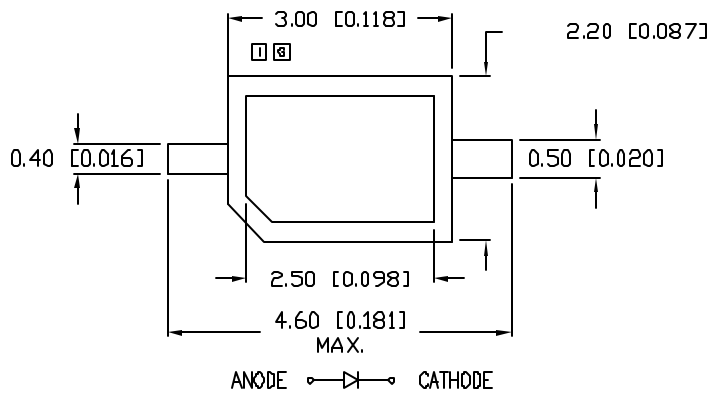
CAUTION: MOISTURE SENSITIVE DEVICE

1. SHELF LIFE IN SEALED BAG:
12 MONTHS AT <40°C AND <90% RELATIVE HUMIDITY (RH).

2. AFTER THIS BAG IS OPENED, DEVICES HAVE TO BE MOUNTED WITHIN 48 HOURS OR STORED AT <30% RH.

UNCONTROLLED DOCUMENT

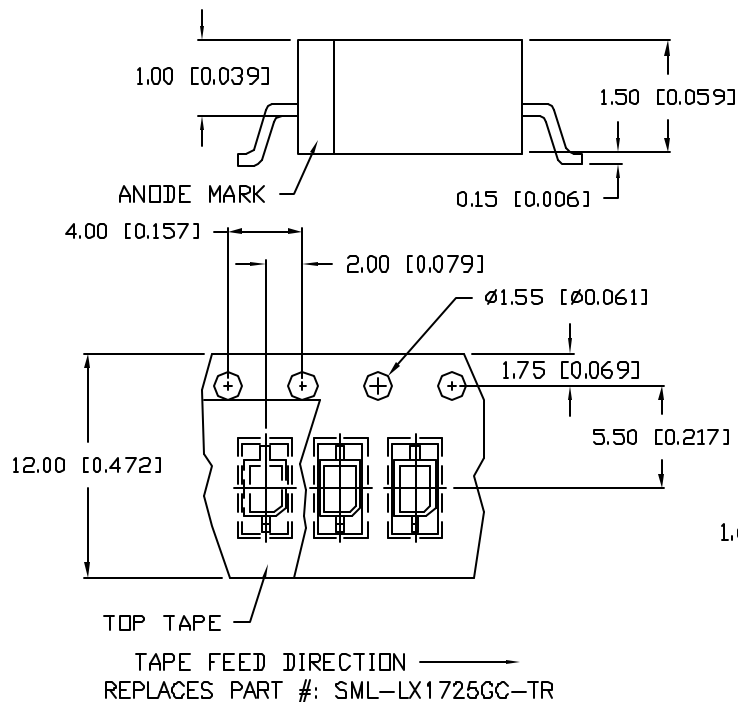
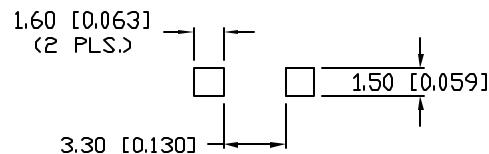
LEAD SIZE= ± 0.05 (0.002), LEAD LENGTH= ± 0.75 (± 0.030), MIN= +DECIMAL PRECISION -0.00, MAX.= +0.00 -DECIMAL PRECISION



NOTES:

- SUPPLIED ON 12mm TAPE, 2,000 PIECES PER REEL.
- THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

RECOMMENDED SOLDER PAD LAYOUT

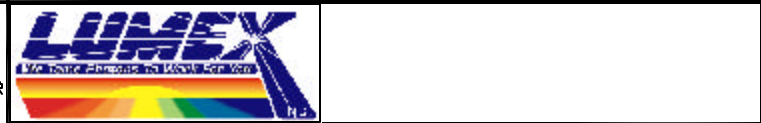


*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X= ± 1 (± 0.039), XX= ± 0.5 (± 0.020), XXX= ± 0.25 (± 0.010), XXXX= ± 0.127 (± 0.005).

REV. L PART NUMBER SSL-LXA1725GC-TR

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.



AXIAL LEAD WITH FLAT TOP AND MOLDED REFLECTOR,
565nm GREEN LED, WATER CLEAR LENS, TAPE AND REEL.

DRAWN BY: jc CHECKED BY: APPROVED BY: DATE: 11.16.06
PAGE: 1 OF 1
SCALE: N/A