

UNCONTROLLED DOCUMENT

PART NUMBER
SSL-LXA1725YC-TR

REV.
K

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

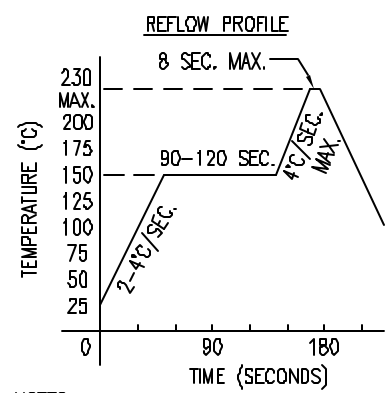
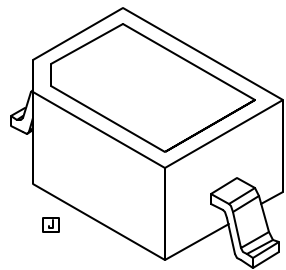
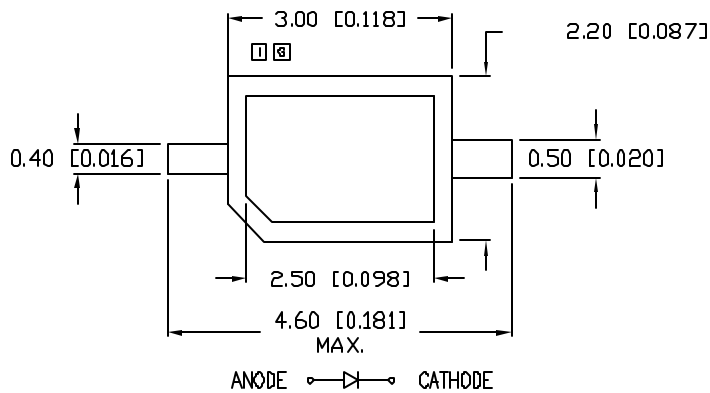
ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		585		nm	
FORWARD VOLTAGE		2.1	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		12		med	$I_f=20\text{mA}$
VIEWING ANGLE		130		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	180	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.2	mW/ $^{\circ}\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$

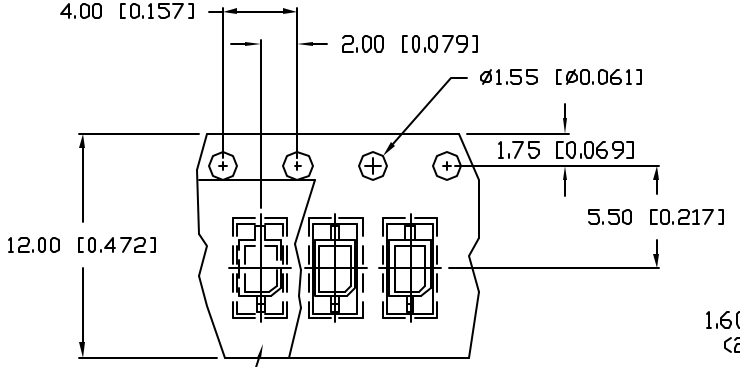
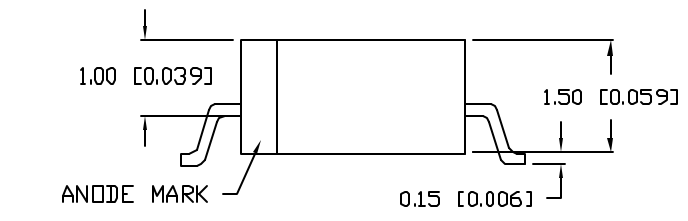
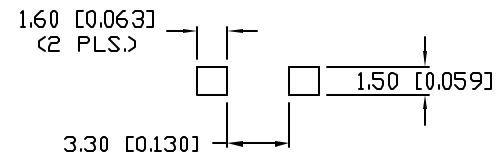
* $I_t < 10\mu\text{S}$



NOTES:

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

RECOMMENDED SOLDER PAD LAYOUT



REPLACES PART #: SML-LX1725YC-TR

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

CAUTION: MOISTURE SENSITIVE DEVICE

- SHELF LIFE IN SEALED BAG: 12 MONTHS AT $<40^{\circ}\text{C}$ AND $<90\%$ RELATIVE HUMIDITY (RH).
- AFTER THIS BAG IS OPENED, DEVICES HAVE TO BE MOUNTED WITHIN 48 HOURS OR STORED AT $<30\%$ RH.

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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.

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AXIAL LEAD WITH FLAT TOP AND MOLDED REFLECTOR,
585nm YELLOW LED, WATER CLEAR LENS, TAPE AND REEL.

DRAWN BY: ct	CHECKED BY:	APPROVED BY:	DATE: 4.4.95
			PAGE: 1 OF 1
			SCALE: N/A