

UNCONTROLLED DOCUMENT

PART NUMBER
SSL-LXA1725GCREV.
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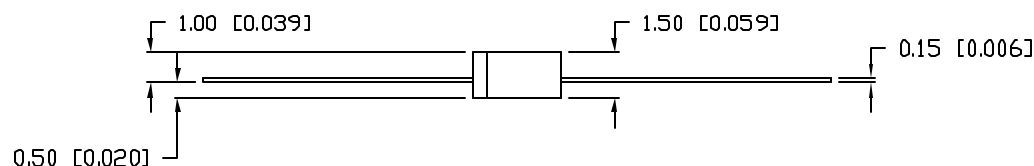
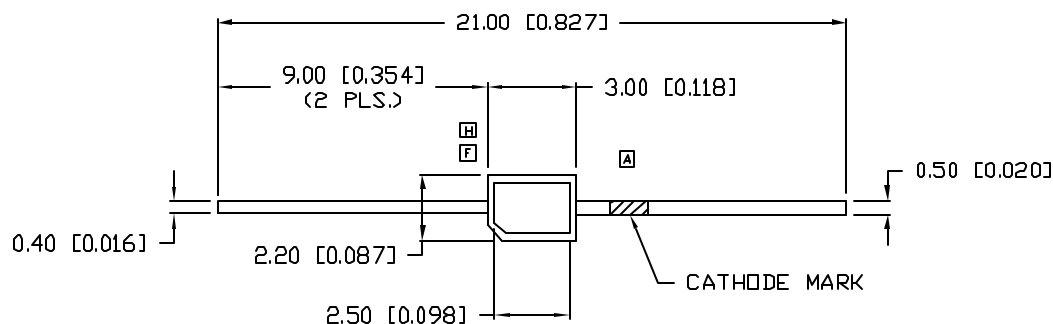
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	REMOVED BEVELS & ASSOCIATED DIMS.	12-28-94
B	CORRECTED DRAWING REPRESENTATION.	5-31-95
C	E.C.N. #10209 & #10112./	7-9-96
D	E.C.N. #10275./	11-22-96
E	E.C.N. #10BRDR. & REDRAWN.	5-27-98
F	E.C.N. #10462. & #10BRDR.	10-8-98
G	E.C.N. #10543.	8-11-99
H	E.C.N. #10601.	3-10-00
I	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 (GREEN)		nm	
FORWARD VOLTAGE		2.1	2.8	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/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	3 SEC. MAX	

* $t < 10\mu\text{s}$ ANODE $\circ \rightarrow \rightarrow \circ$ CATHODE

CAUTION: MOISTURE SENSITIVE DEVICE

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

*TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010). LEAD LENGTH=±0.75 (±0.030). MIN.= +DECIMAL PRECISION -0.00 MAX.= +0.00 -DECIMAL PRECISION

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SSL-LXA1725GC

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

CONFIDENTIAL INFORMATION

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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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DRAWN BY: CHECKED BY: APPROVED BY: DATE: 11.16.06

JC

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SCALE: N/A

