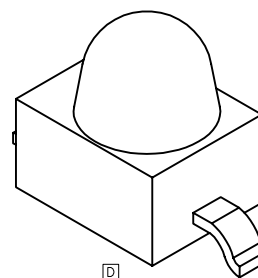


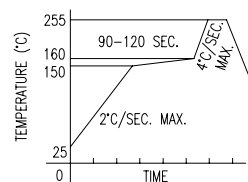
B



D

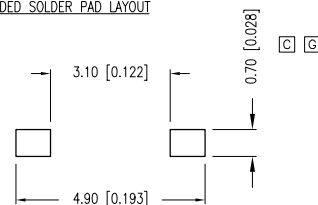
LEAD FREE REFLOW PROFILE

C



TOTAL TIME ABOVE 220°C IS 60 SECONDS MAX.

RECOMMENDED SOLDER PAD LAYOUT



PART NUMBER	SSL-LXA228SRC-TR11	REV.	J
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
10.12.95	CHG'D LENS LOCATION TO FIT SR STYLE.		A
11.07.95	ADDED LEAD WIDTHS, UPDATED LEAD O.A.L.		B
10.21.99	E.C.N. #10550. & #10BRDR		C
01.01.01	E.C.N. #10695.		D
05.31.01	E.C.N. #10744.		E
09.07.01	E.C.N. #10784.		F
07.08.04	E.C.N. #11146.		G
09.23.04	E.C.N. #11170.		H
11.15.06	E.C.N. #11148.		I
10.14.10	E.C.N. #11668.		J

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$					
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660		nm	
FORWARD VOLTAGE		1.7	2.2	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY	75	100		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		25		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	WATER CLEAR LENS				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	160	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	60	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C

* $t < 10\mu\text{s}$

NOTES:

- 1,000 PIECES PER REEL.
- THE CATHODE IS ORIENTED TOWARDS THE TAPE SPROCKET HOLE.

*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



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AXIAL LED, GULL WING LEADS, 660nm SUPER RED, WATER CLEAR LENS, TAPE AND REEL.

THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.

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DATE:	11.15.06	DRAWN BY:	JC
PAGE:	1 OF 1	CHKD BY:	JD
SCALE:	N/A	APRVD BY:	JD
UNIT:	mm [INCH]		(Pb)

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Mouser Electronics

Authorized Distributor

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