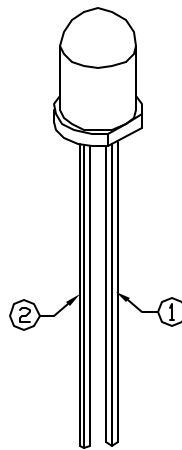
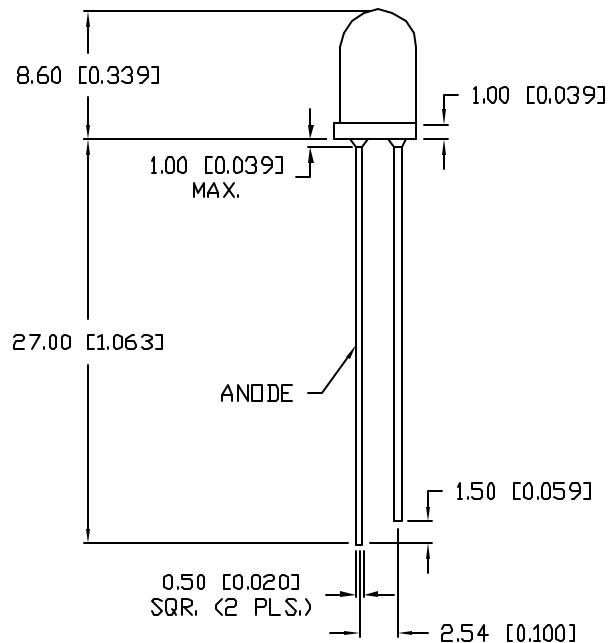
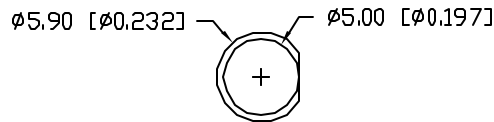


UNCONTROLLED DOCUMENT



NOTES:

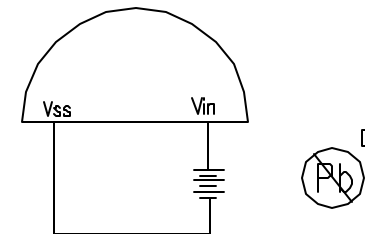
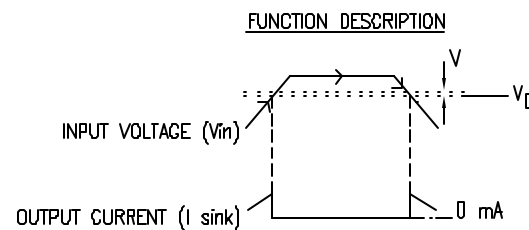
1. Vss.
2. Vin.

PART NUMBER		REV.
SSL-LX5093LBI-SRD		G
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10115./	1-24-96
B	E.C.N. #10132./	3-12-96
C	REDRAWN.	10-10-97
D	E.C.N. #10470./	10-23-98
E	E.C.N. #10538.	7-20-99
F	E.C.N. #10BRDR. & REDRAWN IN 3D.	5.25.01
G	E.C.N. #11148	10.23.06

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $V_{in}=3.0\text{V}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (RED)		nm	$I_f=6.5\text{mA}$
INPUT VOLTAGE (V_{in})		3.0		V	
DETECTION VOLTAGE (V_d)	2.35	2.5	2.65	V	
AXIAL INTENSITY	3.0			mcd	$I_f=6.5\text{mA}$
STANDBY CURRENT (I_{in})		5.0	10.0	μA	$V_{in}=3.0\text{V}$
HYSTERESIS VOLTAGE (V_{hyst})		100		mV	
OUTPUT SINK CURRENT (I_{sink})	6.0	6.5		mA	$V_{in}=2.3\text{V}$
VIEWING ANGLE		60		2x theta	
OPERATING TEMPERATURE		0 TO +85		$^\circ\text{C}$	
STORAGE TEMPERATURE		-40 TO +100		$^\circ\text{C}$	
EMITTED COLOR:	SUPER RED				
EPOXY LENS FINISH:	RED DIFFUSED				

EXTERNAL PARTS CONNECTION



TWO BATTERY DETECTION

UNCONTROLLED DOCUMENT

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: $X=\pm 1$ (± 0.039), $X.X=\pm 0.5$ (± 0.020), $X.XX=\pm 0.25$ (± 0.010), $X.XXX=\pm 0.127$ (± 0.005). LEAD SIZE= ± 0.05 (± 0.002), LEAD LENGTH= ± 0.75 (± 0.030). MIN= $\begin{matrix} +\text{DECIMAL PRECISION} \\ -0.00 \end{matrix}$ MAX= $\begin{matrix} +0.00 \\ -\text{DECIMAL PRECISION} \end{matrix}$

REV.

G

PART NUMBER

SSL-LX5093LBI-SRD

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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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T-5mm (T-1 3/4) LOW BATTERY INDICATOR,
660nm SUPER RED LED, RED DIFFUSED LENS.

DRAWN BY:

JC

CHECKED BY:

APPROVED BY:

DATE: 10.23.06

PAGE: 1 OF 1

SCALE: N/A