

UNCONTROLLED DOCUMENT

PART NUMBER
SSL-LX509F3LBISIUP

REV.

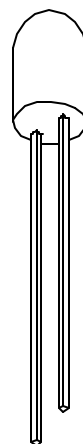
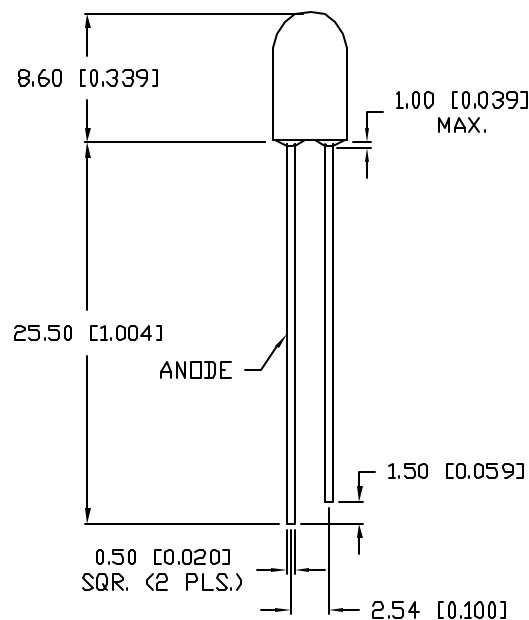
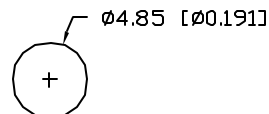
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REV. E.C.N. NUMBER AND REVISION COMMENTS

DATE

A E.C.N. #11148

11.02.06



FORWARD VOLTAGE	1.6~2.2V	2.2~2.7V	2.7~3.5V
RED LED	ON	ON	OFF
GREEN LED	OFF	ON	ON

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH	636 (RED)			nm	$I_f=20\text{mA}$
	525 (GREEN)			nm	$I_f=20\text{mA}$
INPUT VOLTAGE (V_{in})		3.0		V	
DETECTION VOLTAGE (V_d) (R/G)	1.6/2.2	2.5/2.7	2.7/3.5	V	
AXIAL INTENSITY (R/G)		25/60		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
OPERATING TEMPERATURE		0 TO +85		$^\circ\text{C}$	
STORAGE TEMPERATURE		-40 TO +100		$^\circ\text{C}$	
EMITTED COLOR:	RED/GREEN				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				

*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.=^{+0.00}_{-0.00} DECIMAL PRECISION MAX.=^{+0.00}_{-0.00} DECIMAL PRECISION

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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) 636nm RED/ 525nm GREEN LED,
MILKY WHITE DIFFUSED LENS, LOW BATTERY INDICATOR.

DRAWN BY:

JC

CHECKED BY:

APPROVED BY:

DATE: 11.02.06

PAGE: 1 OF 1

SCALE: N/A

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