

UNCONTROLLED DOCUMENT

SC:0.50

PART NUMBER

SSL-LX3044GIW-5V

REV.

A

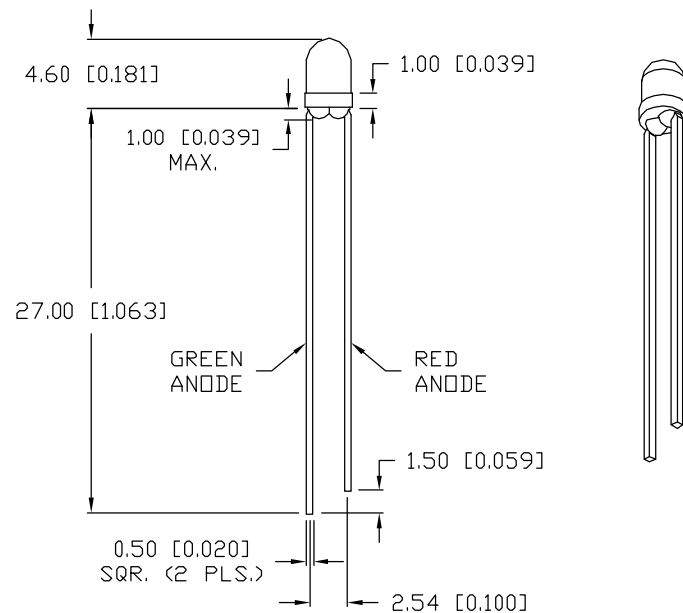
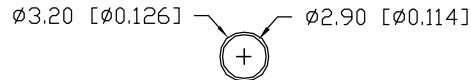
REV. E.C.N. NUMBER AND REVISION COMMENTS

DATE

A E.C.N. #11547.

11.24.08

UNDER REVISION



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $V_f=5\text{ V}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565 (GREEN) 635 (RED)		nm	
FORWARD VOLTAGE (G/R)		5.0	6.0	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		7		mcd	$V_f=5\text{ V}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:		GREEN/RED			
EPOXY LENS FINISH:		MILKY WHITE DIFFUSED			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
FORWARD VOLTAGE		6.0	V
STEADY CURRENT	(G/R)	11.5/13	mA
POWER DISSIPATION		85	mW
DERATE FROM 25°C		-1.6	mW/ $^{\circ}\text{C}$
OPERATING TEMP.		-40 TO +70	$^{\circ}\text{C}$
STORAGE TEMP.		-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.		+260	$^{\circ}\text{C}$
2.00mm FROM BODY			3 SEC. MAX

*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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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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BC

CHECKED BY:

APPROVED BY:

DATE: 5.8.01

PAGE: 1 OF 1

SCALE: N/A

T-3mm (T-1) 565nm GREEN/635nm RED BICOLOR LED,
MILKY WHITE DIFFUSED LENS, 5 VOLT OPERATION.