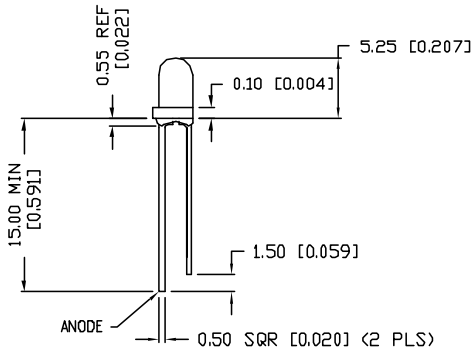
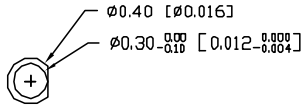


UNCONTROLLED DOCUMENT

PART NUMBER
SSL-LX3052GD

REV.
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	UPDATED SPEC, REDRAWN./	9-22-95
B	ECN # 11367.	11.22.06



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		2.0	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		15.0		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		80		$2x$ theta	
EMITTED COLOR		GREEN			
EPOXY LENS FINISH		GREEN DIFFUSED			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP	-40 TO +85	°C
LEAD SOLDERING TEMP	+260	°C
2.0mm FROM BODY		3 SEC. MAX

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



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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.030), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (0.002), LEAD LENGTH=±0.75 (±0.030). MIN= -0.00 +DECIMAL PRECISION MAX= +0.00 -DECIMAL PRECISION

REV. B	PART NUMBER SSL-LX3052GD
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T-3 (T-1) LED, GREEN DIFFUSED.

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.

DRAWN BY: JC	CHECKED BY:	APPROVED BY:	DATE: 11.22.06 PAGE: 1 OF 1 SCALE: N/A
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