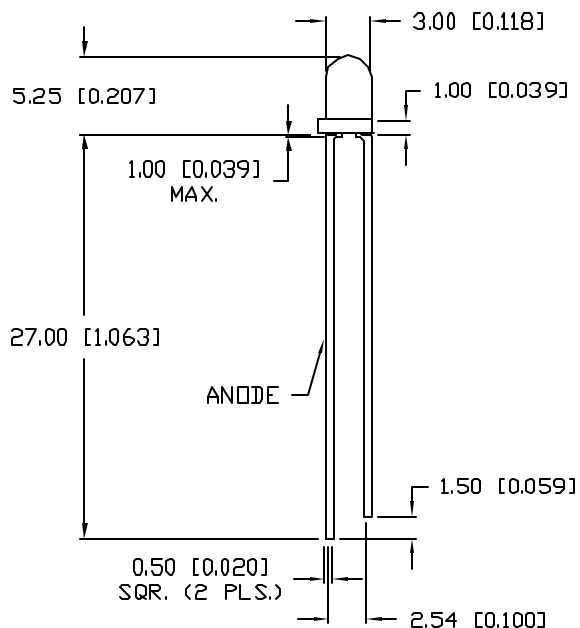
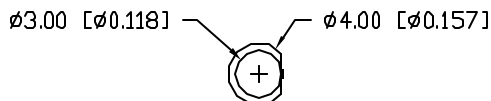


UNCONTROLLED DOCUMENT

PART NUMBER
SSL-LX3054BID

REV.
A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN IN 3D.	4.9.01



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE	3.0		14.0	V_f	
BLINKING FREQUENCY:		1.5		Hz	$V_f=14.0, I_f=70\text{mA}$
		2.5		Hz	$V_f=3.0, I_f=6\text{mA}$
AXIAL INTENSITY		10		med	$V_f=9.0$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

PARAMETER	MAX	UNITS
FORWARD VOLTAGE	14	V
PEAK FORWARD CURRENT	70	mA
POWER DISSIPATION	200	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), 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} -0.00 DECIMAL PRECISION MAX.= ^{+0.00} -0.00 DECIMAL PRECISION

UNCONTROLLED DOCUMENT

REV. A	PART NUMBER SSL-LX3054BID
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T-3mm (T-1) 635nm BLINKING RED LED,
RED DIFFUSED LENS.

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: BC	CHECKED BY:	APPROVED BY:	DATE: 1.2.97
			PAGE: 1 OF 1
			SCALE: N/A