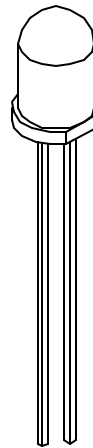
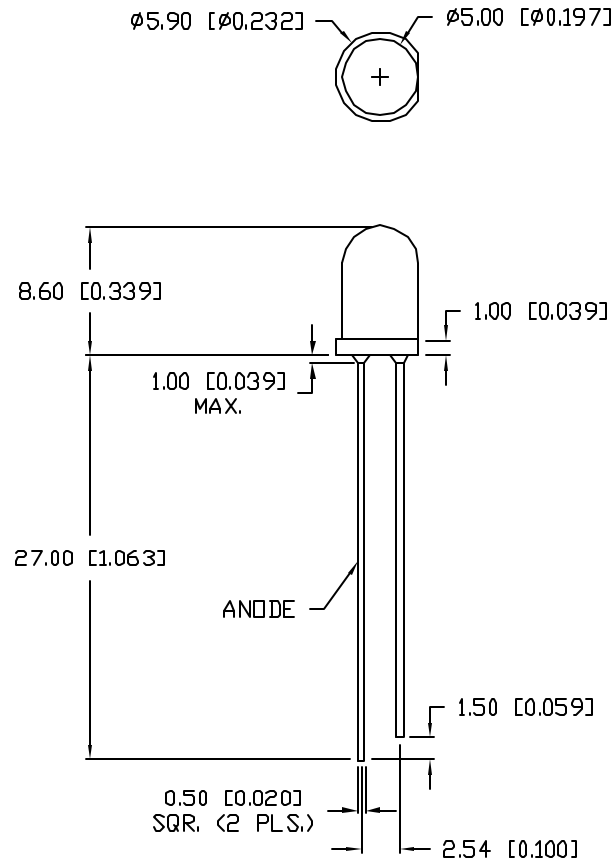


UNCONTROLLED DOCUMENT

PART NUMBER  
SSL-LX5093BIDREV.  
B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	REDRAWN.	5.13.93
B	E.C.N. #10BRDR. & REDRAWN IN 3D.	5.29.01

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		40		mcd	$V_f=9.0$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:		RED			
EPOXY LENS FINISH:		RED DIFFUSED			

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$ 

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	70	mA
STEADY CURRENT	20	mA
POWER DISSIPATION	105	mW
DERATE FROM $25^\circ\text{C}$	-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

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

\*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.=<sup>+DECIMAL PRECISION</sup>-0.00, MAX.=<sup>+0.00</sup>-DECIMAL PRECISION

REV.

B

PART NUMBER

SSL-LX5093BID

T-5mm (T-1 3/4) BLINKING 635nm RED LED,  
RED DIFFUSED LENS.

## CONFIDENTIAL INFORMATION

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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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DATE: 5.13.93

PAGE: 1 OF 1

SCALE: N/A