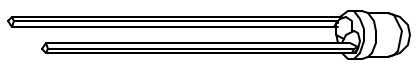
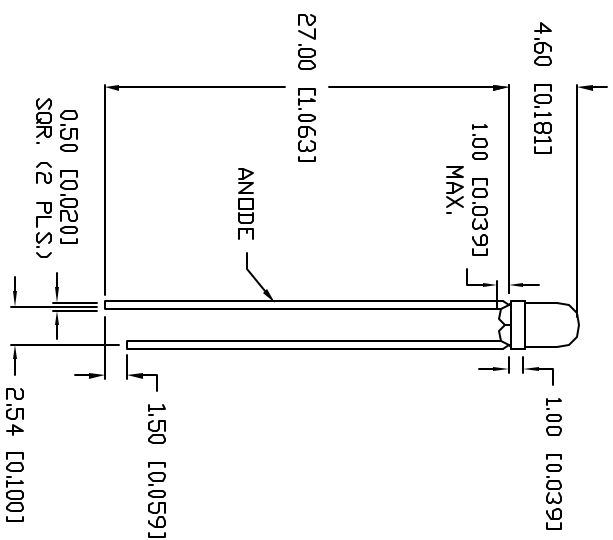
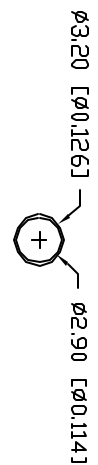


REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN IN 3D.	3.1.01



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		700		nm	
FORWARD VOLTAGE		5.0	7.0	$V_f$	$I_f=100\mu\text{A}$
REVERSE VOLTAGE	5.0			$V_r$	
AXIAL INTENSITY		5		mcd	$V_f=5\text{V}$
VIEWING ANGLE		60		$2\theta$ theta	
EMITTED COLOR:		RED			
EPOXY LENS FINISH:		RED DIFFUSED			

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD VOLTAGE*	7.0	V
STEADY CURRENT	12	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.5	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°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#=#0.8 (+0.020), X#X=#1.25 (+0.010), XXX=#0.127 (+0.005), LEAD SIZE=#0.08 (+0.002), LEAD LENGTH=#0.75 (+0.030), MIN=-0.00

REV. A  
PART NUMBER  
SSL-LX3044HD-5V

T-3mm (T-1) 700nm RED LED,  
RED DIFFUSED LENS, 5 VOLT OPERATION.

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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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