



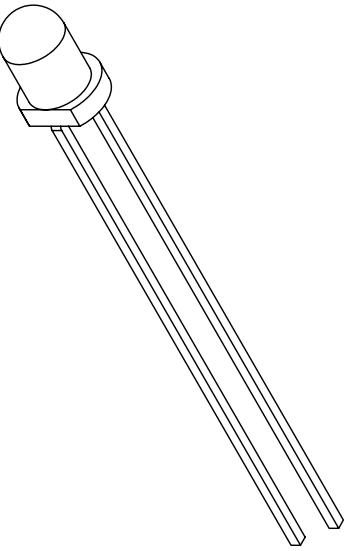
**THE DATASHEET OF  
SSL-LX3054SRD**



PART NUMBER		SSL-LX3054SRD		REV.	D
E.C.N. NUMBER AND REVISION COMMENTS				REV.	REV.
DATE	02.17.95	UPDATED SPECS.		A	
	11.17.97	REDRAWN.		B	
	04.16.01	E.C.N. #10BRDR. & REDRAWN.		C	
	02.14.11	E.C.N. #11694/10BRDR. & REDRAWN.		D	

20 [00.118]

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[0.028] MAX.

① ELECTRO-OPTICAL CHARACTERISTICS  $T_a=25^{\circ}\text{C}$   $I_f=20\text{mA}$

PARAMETER	MIN	Typ	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660		nm	
FORWARD VOLTAGE		1.85	2.5	Vf	$I_f=10\mu\text{A}$
REVERSE VOLTAGE			5.0	Vr	
AXIAL INTENSITY	120	320		med	$I_f=20\text{mA}$
VIEWING ANGLE		60		$2\theta$	
EMITTED COLOR:		RED			
EPOXY LENS FINISH:		RED DIFFUSED			

② LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	135	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	75	mW
DERATE FROM 25°C	-1.6	mW/°C
OPERATING TEMP.	-40 TO +85	°C
STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY	3	SEC.

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

1.000]

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.= -0.000, DECIMAL PRECISION MAX.= +0.000, DECIMAL PRECISION

HELEN ROAD  
E. IL 60067-6976  
+1.847.359.2790  
WWW.LUMEX.COM

T-3mm (T-1) 660nm SUPER RED LED, RED DIFFUSED LENS.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT\*\*

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DATE:	02.14.11	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		



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