

Excellent Integrated System Limited

Stocking Distributor

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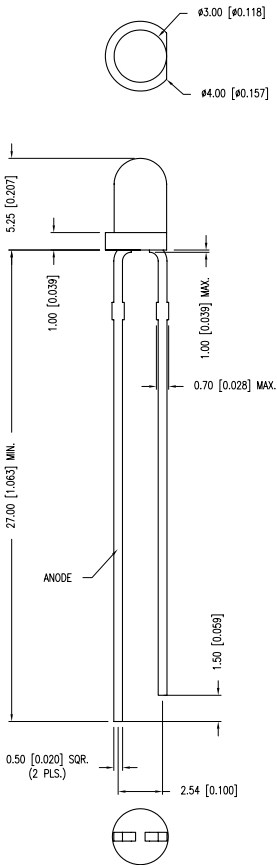
[Lumex, Inc.](#)
[SSL-LX3054SRD](#)

For any questions, you can email us directly:

sales@integrated-circuit.com

UNCONTROLLED DOCUMENT

PART NUMBER	SSL-LX3054SRD	REV.	D
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
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



□ 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	$I_f=20\text{mA}$
AXIAL INTENSITY	120	320		mcd	
VIEWING ANGLE		60		$2x$ theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

□ LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	155	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	75	mW
DERATE FROM 25°C	-1.6	mW/ $^\circ\text{C}$
OPERATING TEMP.	-40 TO +85	$^\circ\text{C}$
STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	3	SEC.

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

*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= +DECIMAL PRECISION MAX= +0.00 -DECIMAL PRECISION

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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]		