

Excellent Integrated System Limited

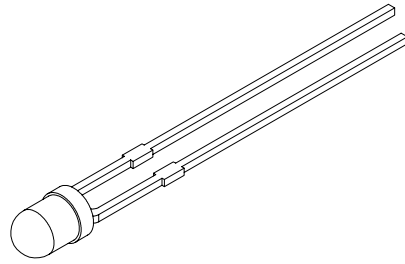
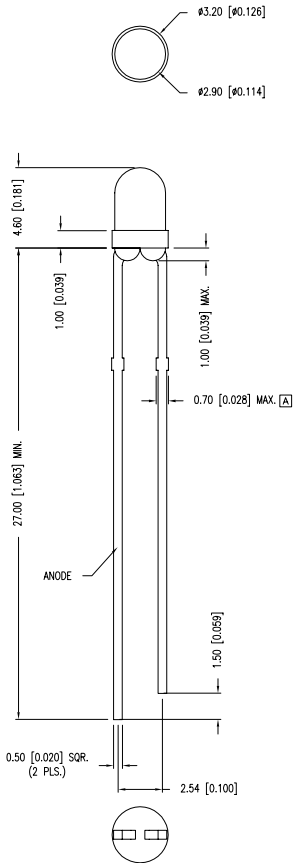
Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Lumex, Inc.](#)
[SSL-LX3044SID](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

PART NUMBER	SSL-LX3044SID	REV.	A
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
06.23.11	E.C.N. #10BRDR. & REDRAWN/#11729.		A



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		650		nm	
FORWARD VOLTAGE	1.9		2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		1000		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		40		$2x$ theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

Ⓐ LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	185	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.

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

*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}_{-0.00} MAX.=^{+0.00}_{-DECIMAL PRECISION} UNCONTROLLED DOCUMENT

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T-3mm (T-1) 650nm SUPER HIGH INTENSITY 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:	06.23.11	DRAWN BY:	AB
PAGE:	1 OF 1	CHKD BY:	KF
SCALE:	NTS	APRVD BY:	SS
UNIT:	mm [INCH]		