

## Excellent Integrated System Limited

Stocking Distributor

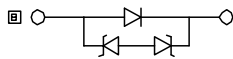
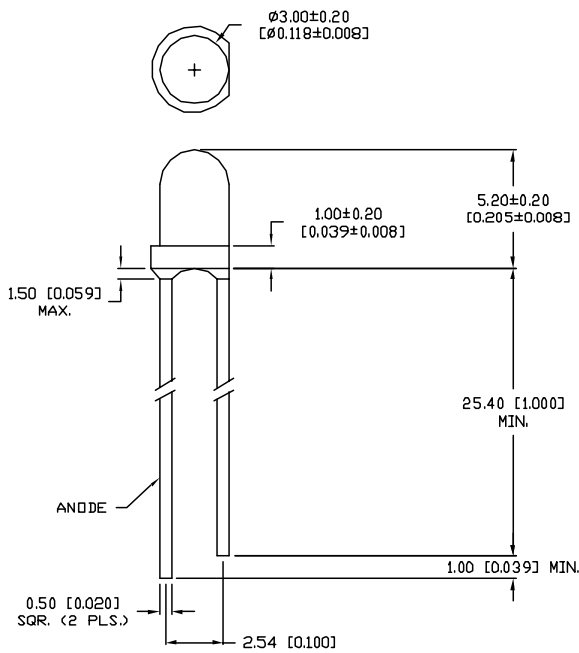
Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Lumex, Inc.](#)  
[SSL-LX3054UWC/A](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

UNCONTROLLED DOCUMENT



PART NUMBER		REV.
SSL-LX3054UWC/A		B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10509./	4-27-99
B	E.C.N. #11283.	1.6.06

□ ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		550 (WHITE)			nm	
FORWARD VOLTAGE	$V_f$	3.6	4.0		V	$I_f=20\text{mA}$
REVERSE VOLTAGE	$V_r$	5			V	$I_r=10\mu\text{A}$
AXIAL INTENSITY(*1)	$I_v$	750			mcd	$I_f=20\text{mA}$
CHROMATICITY	X	0.29				$I_f=10\text{mA}$
COORDINATES(*2)	Y	0.30				
VIEWING ANGLE		40			2x theta	
EMITTED COLOR:	WHITE					
EPOXY LENS FINISH:	WATER CLEAR					

\*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.  
 \*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT	$I_p$	100*	mA
STEADY CURRENT	$I_f$	30	mA
POWER DISSIPATION	$P_D$	120	mW
OPERATING TEMP.	$T_{OPR}$	-30 TO +80	°C
STORAGE TEMP.	$T_{STG}$	-40 TO +100	°C
SOLDERING TEMP.		+260	°C
2.0mm FROM BODY			3 SEC. MAX

\*DUTY 1/10 PULSE WIDTH 10ms

CAUTION: STATIC SENSITIVE DEVICE  
 FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
 WHEN WORKING WITH THIS PART.



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\*UNLESS OTHERWISE SPECIFIED TOLERANCE IS  $\pm 0.25\text{mm}$  ( $\pm 0.010''$ )

REV. B	PART NUMBER SSL-LX3054UWC/A	<p><b>CONFIDENTIAL INFORMATION</b>          THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC. THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.</p> <p><b>RELIABILITY NOTE</b>          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.</p>	<p><b>LUMEX INCORPORATED</b></p> <p>290 E. HELLEN ROAD          PALATINE, ILLINOIS 60067          PHONE: 1-847-359-2790          WEB: HTTP://WWW.LUMEX.COM</p>
T-3mm (T-1) ULTRA WHITE LED, WATER CLEAR LENS.		DRAWN BY: CK/DU CHECKED BY: APPROVED BY: DATE: 9-4-98 PAGE: 1 OF 1 SCALE: N/A	