

Excellent Integrated System Limited

Stocking Distributor

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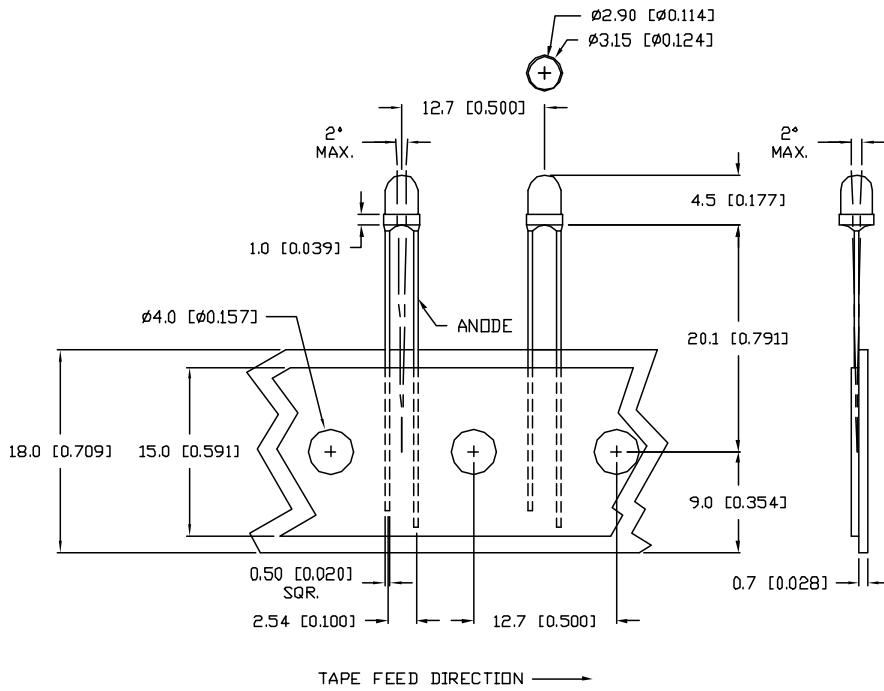
[Lumex, Inc.](#)
[SSL-LX3044HD-TR](#)

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

UNCONTROLLED DOCUMENT

PART NUMBER
SSL-LX3044HD-TR

REV.



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		700		nm	
FORWARD VOLTAGE		2.0	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		6		mcd	$I_f=20\text{mA}$
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*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/ $^{\circ}\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0mm FROM BODY		3 SEC. MAX
* $t < 10\mu\text{s}$		

NOTES:

1. 2,000 PER REEL.

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*TOLERANCES PER DECIMAL PRECISION ARE: X= ± 1 (± 0.039), X,X= ± 0.5 (± 0.020), X,XX= ± 0.25 (± 0.010). LEAD LENGTH= ± 0.75 (± 0.030), MIN= $^{+0.00}_{-0.00}$ DECIMAL PRECISION, MAX.= $^{+0.00}_{-0.00}$ DECIMAL PRECISION

REV.	PART NUMBER SSL-LX3044HD-TR	<p>CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIALLY 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>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.</p>	<p>LUMEX INCORPORATED</p> <p>290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 PHONE: (847) 359-2790 WEB: http://www.lumex.com</p>
T-3mm (T-1) 700nm RED LED, RED DIFFUSED LENS, TAPE AND REEL PACKAGING.		DRAWN BY: TM/BC CHECKED BY: APPROVED BY: DATE: 2-16-00 PAGE: 1 OF 1 SCALE: N/A	