



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$				
PARAMETER	MIN	TYP	MAX	UNITS TEST COND
PEAK WAVELENGTH		585 (YELLOW)		nm
FORWARD VOLTAGE		2.1	2.5	$V_f$
REVERSE VOLTAGE	5.0			$V_r$ $I_f=100\mu\text{A}$
AXIAL INTENSITY		30		mcd $I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta
EMITTED COLOR:	YELLOW			
EPOXY LENS FINISH:	YELLOW DIFFUSED			

LIMITS OF SAFE OPERATION AT 25°C		
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	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. MAX

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

**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.

NOTES:

1. SSL-LX3044YD, YELLOW LED.
2. SSH-LXH303 HOLDER, BLACK NYLON, UL 94V-0.

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: 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.= +DECIMAL PRECISION -0.00, MAX.= +0.00 -DECIMAL PRECISION UNCONTROLLED DOCUMENT

**LUMEX**  
 Creating LED and LCD Solutions Together™

290 E. HELEN ROAD  
 PALATINE, IL 60067-6976  
 PHONE: +1.847.359.2790  
 FAX: +1.847.359.6538  
 WEB: WWW.LUMEX.COM

T-3mm (T-1) LED FAULT INDICATOR, 585nm YELLOW LED, YELLOW DIFFUSED LENS.

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

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DATE:	09.11.91	DRAWN BY:	BC
PAGE:	1 OF 1	CHKD BY:	-
SCALE:	N/A	APRVD BY:	-
UNIT:	mm [INCH]		(Pb)

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