



**NOTES:**

1. SSH-LXH3121 HOLDER, BLACK NYLON 94-V.
2. SSL-LX3044YD LED, LEADS CUT TO 5mm.
3. ANODE LEAD: LXP-WST26RDTQC, RED INSULATED LEAD, 26 AWG, -45mm STRIP BOTH ENDS 4mm, -104mm STRIP 4mm AND 6.0mm.
4. CATHODE LEAD: LXP-WST26BLTOC, BLACK INSULATED LEAD, 26 AWG, CUT 158mm LONG, STRIP 6.0mm BOTH ENDS.
5. MOUNTING HOLE:  $\phi 0.170$ - $\phi 0.174$ "
6. LXP-RES 2000 1/2W, 2k OHM 1/2 WATT RESISTOR.
7. LXP-HEATSHRINK-4.

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$		$V_f=28\text{V}$		
PARAMETER	MIN	TYP	MAX	UNITS TEST COND
PEAK WAVELENGTH		585		nm
FORWARD VOLTAGE		28		$V_f$
REVERSE VOLTAGE	5.0			$V_r$ $I_r=100\mu\text{A}$
AXIAL INTENSITY		30		mcd $V_f=28\text{V}$
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*	30	mA
STEADY CURRENT	15	mA
POWER DISSIPATION	310	mW
DERATE FROM 25°C	-1.6	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX

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

\*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= <sup>+0.00</sup> <sub>-0.00</sub> DECIMAL PRECISION, MAX.= <sup>+0.00</sup> <sub>-0.00</sub> DECIMAL PRECISION

REV.	PART NUMBER <b>SSI-LXH312YD28V150</b>	<p><b>CONFIDENTIAL INFORMATION</b></p> <p>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></p> <p>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</b> INCORPORATED</p> <p>290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 PHONE: (847) 359-2790 WEB: <a href="http://www.lumex.com">http://www.lumex.com</a></p>
T-3mm (T-1) 585nm YELLOW LED PANEL INDICATOR, 2k OHM 1/2 WATT RESISTOR, YELLOW DIFFUSED LENS, 6" WIRE LEADS.		DRAWN BY: KS/BC	CHECKED BY:
		APPROVED BY:	DATE: 11.8.00
			PAGE: 1 OF 1
			SCALE: N/A