

DATE	REVISIONS	REV	DRAWING NUMBER SSL-LX30FT2GD	REV																																																																								
3.0 (.118) DIA. 6.7 (.264) 13.5 (.531) MIN 12.5 (.492) MIN .5 (.020) TYP 2.3 (.091) CATHODE ELECTRO-OPTICAL CHARACTERISTICS $T_A = 25^\circ\text{C}$ $I_f = 20\text{mA}$ <table border="1"> <thead> <tr> <th>PARAMETER</th> <th>MIN</th> <th>TYP</th> <th>MAX</th> <th>UNITS</th> <th>TEST COND</th> </tr> </thead> <tbody> <tr> <td>PEAK WAVELENGTH</td> <td></td> <td>565 (GREEN)</td> <td></td> <td>nm</td> <td></td> </tr> <tr> <td>FORWARD VOLTAGE</td> <td></td> <td>2.0</td> <td>2.8</td> <td>V_f</td> <td></td> </tr> <tr> <td>REVERSE VOLTAGE</td> <td>5.0</td> <td></td> <td></td> <td>V_r</td> <td>$I_r = 100\mu\text{A}$</td> </tr> <tr> <td>AXIAL INTENSITY</td> <td></td> <td>5.0</td> <td></td> <td>mcd</td> <td>$I_f = 20\text{mA}$</td> </tr> <tr> <td>VIEWING ANGLE</td> <td></td> <td>100</td> <td></td> <td>2x theta</td> <td></td> </tr> <tr> <td>EMITTED COLOR</td> <td>GREEN</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>EPOXY LENS FINISH</td> <td>GREEN</td> <td>DIFFUSED</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> LIMITS OF SAFE OPERATION AT 25°C <table border="1"> <thead> <tr> <th>PARAMETER</th> <th>MAX</th> <th>UNITS</th> </tr> </thead> <tbody> <tr> <td>PEAK FORWARD CURRENT*</td> <td>150</td> <td>mA</td> </tr> <tr> <td>STEADY CURRENT</td> <td>25</td> <td>mA</td> </tr> <tr> <td>POWER DISSIPATION</td> <td>105</td> <td>mW</td> </tr> <tr> <td>DERATE FROM 25°C</td> <td>-1.2</td> <td>mW/$^\circ\text{C}$</td> </tr> <tr> <td>OPERATING, STORAGE TEMP</td> <td>-40 TO +85</td> <td>$^\circ\text{C}$</td> </tr> <tr> <td>LEAD SOLDERING TEMP</td> <td>+260</td> <td>$^\circ\text{C}$</td> </tr> <tr> <td>2.0mm FROM BODY</td> <td></td> <td>3 SEC. MAX</td> </tr> </tbody> </table> * $t < 10\text{s}$					PARAMETER	MIN	TYP	MAX	UNITS	TEST COND	PEAK WAVELENGTH		565 (GREEN)		nm		FORWARD VOLTAGE		2.0	2.8	V_f		REVERSE VOLTAGE	5.0			V_r	$I_r = 100\mu\text{A}$	AXIAL INTENSITY		5.0		mcd	$I_f = 20\text{mA}$	VIEWING ANGLE		100		2x theta		EMITTED COLOR	GREEN					EPOXY LENS FINISH	GREEN	DIFFUSED				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	$^\circ\text{C}$	LEAD SOLDERING TEMP	+260	$^\circ\text{C}$	2.0mm FROM BODY		3 SEC. MAX
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UNIT: mm (INCHES) TOLERANCE: ± 0.2 (.008) 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. LUMEX OPTO COMPONENTS INC. 290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 (847) 359-2790 CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX OPTO/COMPONENTS, INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX OPTO/COMPONENTS, 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. <table border="1"> <tr> <td>DATE: 11-10-89</td> <td>DWN:</td> <td>CHK'D:</td> <td>APPD:</td> </tr> <tr> <td>SCALE: N/A</td> <td></td> <td></td> <td></td> </tr> </table> T3mm (T-1) FLAT TOP FLANGELESS LED, GREEN <table border="1"> <tr> <td>PAGE 1 OF 1</td> <td>DRAWING NUMBER SSL-LX30FT2GD</td> <td>REV</td> </tr> </table>					DATE: 11-10-89	DWN:	CHK'D:	APPD:	SCALE: N/A				PAGE 1 OF 1	DRAWING NUMBER SSL-LX30FT2GD	REV																																																													
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