

DATE	REVISIONS	REV
11-28-94	REDRAWN, UPDATED SPECS./	A
4-23-96	E.C.N. #10152./	B

DRAWING NUMBER
SSL-LX3044LGD-TR

REV
B

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565 (GREEN)		nm	
FORWARD VOLTAGE		2.1	2.8	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f = 100\mu\text{A}$
AXIAL INTENSITY	1.5	15		mcd	$I_f = 20\text{mA}$
				mcd	$I_f = 2\text{mA}$
VIEWING ANGLE		80		2x theta	
EMITTED COLOR	GREEN				
EPOXY LENS FINISH	GREEN DIFFUSED				

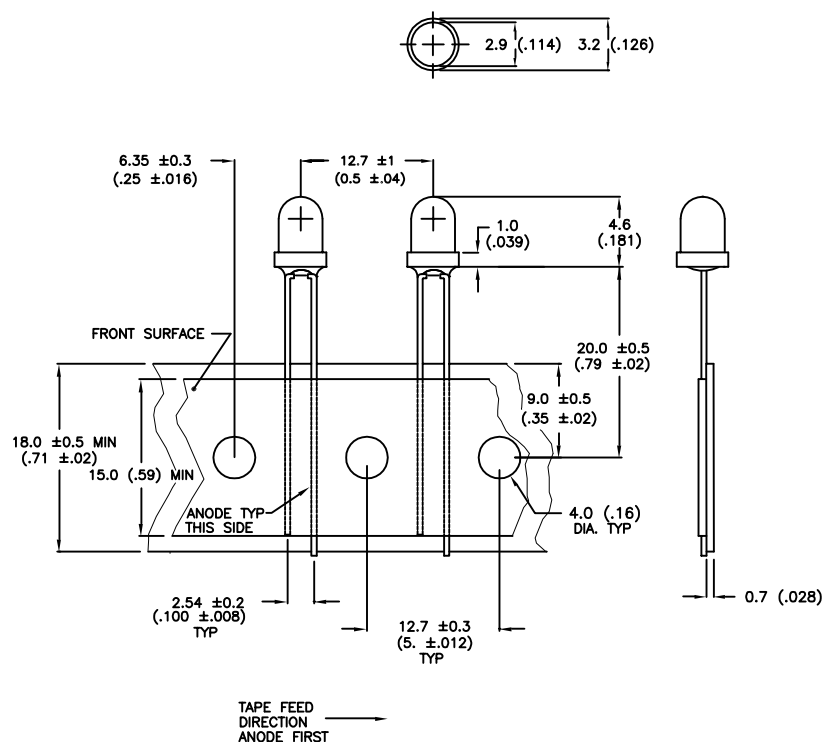
Ⓐ LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM 55°C	-1.2	$\text{mW}/^\circ\text{C}$
OPERATING, STORAGE TEMP	-40 TO $+85$	$^\circ\text{C}$
LEAD SOLDERING TEMP	$+260$	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

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.



TOLERANCE: ± 0.2 ($\pm .008$)

NOTES

1. 2K PER REEL.

LUMEX
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DATE: 8-24-93	DWN:	CHK'D:	APPD:
SCALE: N/A			

T-3 (T-1) LED, GREEN DIFFUSED,
SPECIAL LOW CURRENT, TAPE AND REEL

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OK/MS