

DATE

REVISIONS

REV

DRAWING NUMBER  
SSL-LX3054ID-TR

REV

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

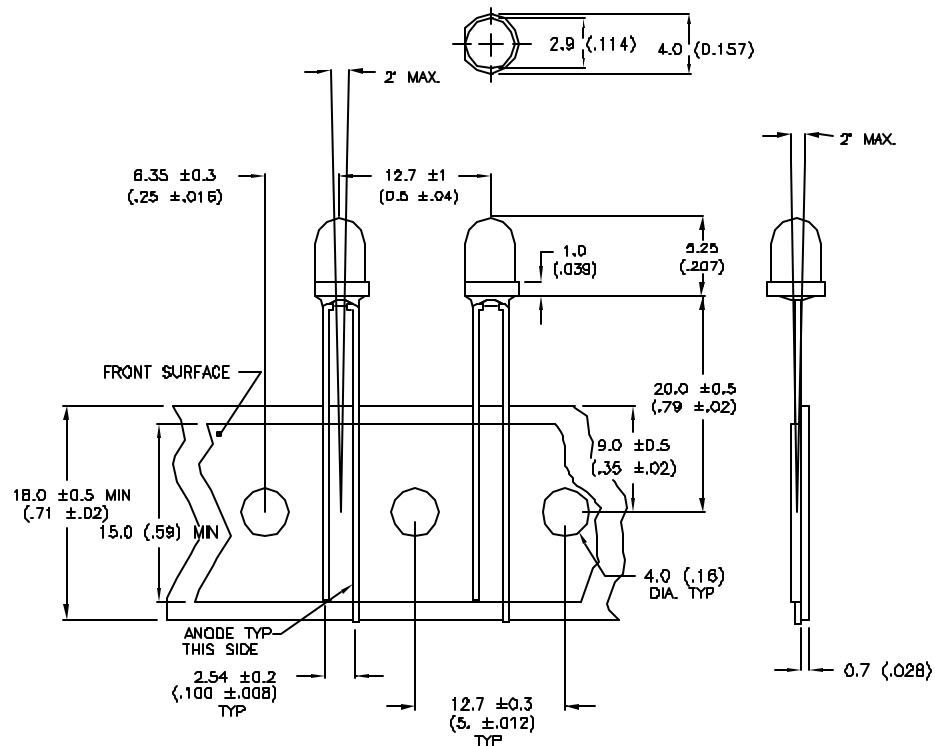
PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
FORWARD VOLTAGE		2.0	2.8	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		10		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR		RED			
EPOXY LENS FINISH		RED DIFFUSED			

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$ 

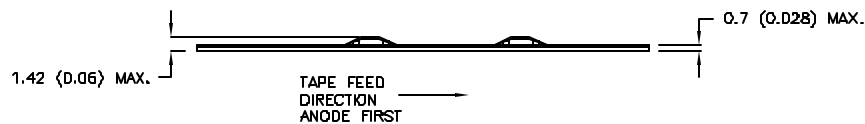
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM $25^\circ\text{C}$	-1.4	$\text{mW}/^\circ\text{C}$
OPERATING, STORAGE TEMP	-40 TO +85	$^\circ\text{C}$
LEAD SOLDERING TEMP	+260	$^\circ\text{C}$
2.0mm FROM BODY	3 SEC. MAX	

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

NOTE

1. 1.5K PER REEL

TOLERANCE:  $\pm 0.2$  ( $\pm .008$ )

**LUMEX**  
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## CONFIDENTIAL INFORMATION

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DATE: 8-19-96	DWN:	CHK'D:	APPD:
SCALE: N/A			

T-3 (T-1) LED, RED DIFFUSED  
TAPE AND REEL

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