

DATE	REVISIONS	REV	DRAWING NUMBER SLX-LX3054YD	REV
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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	2.8	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		25		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR	YELLOW				
EPOXY LENS FINISH	YELLOW DIFFUSED				

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

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM $25^{\circ}\text{C}$	-1.6	$\text{mW}/^{\circ}\text{C}$
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.

Top view of the LED package showing a circular lens with a crosshair and two mounting holes. Dimensions: outer diameter 4.00 [0.157], inner diameter 2.9 [0.114].

Side view of the LED package showing the lens, body, and leads. Dimensions: lens diameter 1.0 [0.039], body diameter 1.0 [0.04] MAX., body length 27.0 MIN. [1.064], lead length 1.5 [0.059], lead thickness 0.50 SQR. [0.020], lead spacing 2.54 [0.100]. The longer lead is labeled ANODE.

NOTE  
1. LED LEADS SILVER.

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DATE: 11-21-96	DWN:	CHK'D:	APPD:
SCALE: N/A			
T-3 (T-1) LED, YELLOW DIFFUSED			
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MS/CK