

DATE	REVISIONS	REV	DRAWING NUMBER	REV
			SLX-LX3054SRD/A	

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		660 (RED)		nm	
FORWARD VOLTAGE		1.7	2.2	$V_f$	
REVERSE VOLTAGE	4.0			$V_r$	$I_r = 100\mu\text{A}$
AXIAL INTENSITY		250		mcd	$I_f = 20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR	RED				
EPOXY LENS FINISH	RED DIFFUSED				

Top View Dimensions:

- Overall diameter:  $\phi 4.00 [\phi 0.157]$
- Mounting hole diameter:  $\phi 2.9 [\phi 0.114]$

Side View Dimensions:

- Top flange height:  $1.0 [0.039]$
- Flange thickness:  $5.25 [0.207]$
- Flange width:  $1.0 [0.04]$  MAX.
- Lead length:  $27.0 \text{ MIN.} [1.064]$
- Lead diameter:  $1.5 [0.059]$
- Lead tip radius:  $0.50 \text{ SQR.} [0.020]$
- Lead base width:  $2.54 [0.100]$

ANODE

NOTE

1. LED LEADS SILVER.

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

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	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.

<b>LUMEX</b> OPTO COMPONENTS INC.	290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 (847) 359-2790
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DATE: 11-21-96	DWN:	CHK'D:	APPD:
SCALE: N/A			

T-3 (T-1) LED, SUPER RED DIFFUSED

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