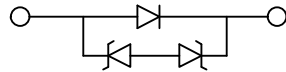
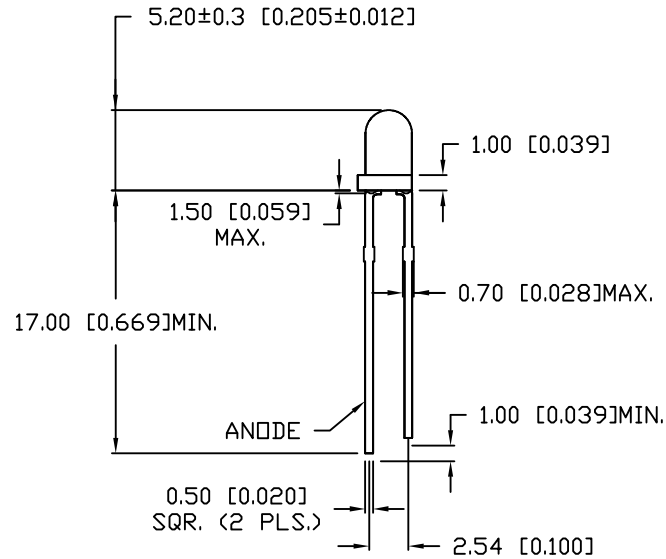


∅4.00±0.3 [∅0.157±0.012]    ∅3.00±0.2 [∅0.118±0.008]



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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
FORWARD VOLTAGE	$V_f$	2.8	3.2	3.6	V	$I_f=20\text{mA}$
REVERSE VOLTAGE	$V_r$			5.0	V	$I_r=10\mu\text{A}$
LUMINOUS INTENSITY(*1)	$I_v$		7500		mcd	$I_f=20\text{mA}$
CHROMATICITY	X		0.30			$I_f=10\text{mA}$
COORDINATES(*2)	Y		0.29			
VIEWING ANGLE			35		2x theta	
EMITTED COLOR:			WHITE			
EPOXY LENS FINISH:			WATER CLEAR			

\*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.  
\*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

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

PARAMETER	MAX	UNITS
PULSE FORWARD CURRENT	100*	mA
FORWARD CURRENT	30	mA
POWER DISSIPATION	110	mW
OPERATING TEMP.	-40 TO +85	$^{\circ}\text{C}$
STORAGE TEMP.	-40 TO +100	$^{\circ}\text{C}$
SOLDERING TEMP.	MAX. 3SEC.@260	$^{\circ}\text{C}$

\*DUTY 1/10 PULSE WIDTH 10ms  
\*\*2mm BELOW PACKAGE BASE

CAUTION: STATIC SENSITIVE DEVICE  
FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART.



\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), X.X=±0.5 (±0.020), X.XX=±0.25 (±0.010), X.XXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030). MIN.= +DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION

REV. --	PART NUMBER SSL-LX3054UWC/M
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T-3mm (T-1) ULTRA WHITE LED,  
WATER CLEAR LENS.

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**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.

425 N. GARY AVE.  
CAROL STREAM, IL 60188  
PHONE: 800-278-5666  
FAX: 630-315-2152  
WEB: WWW.LUMEX.COM

**LUMEX**  
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