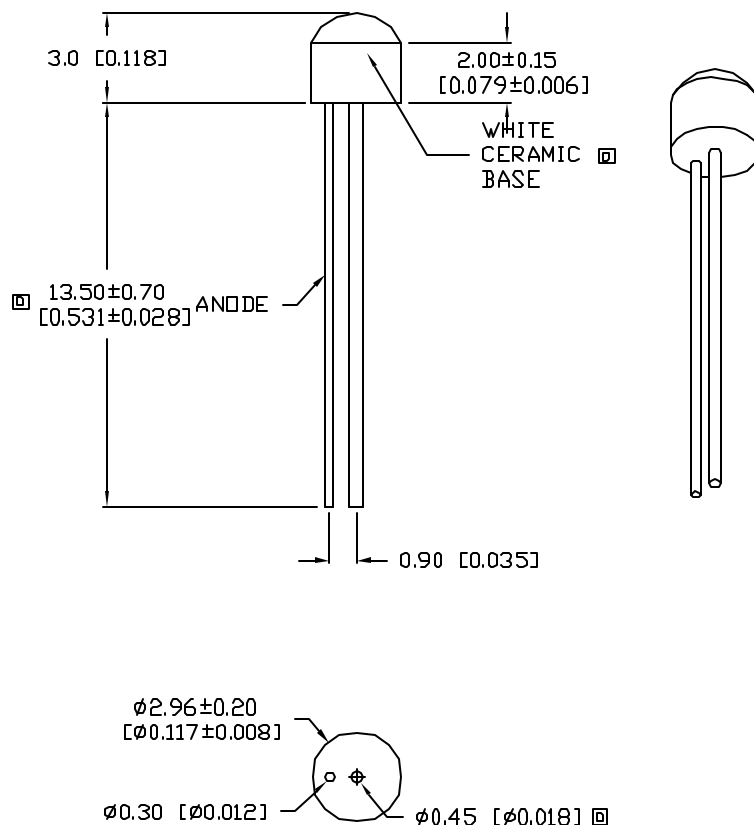


UNCONTROLLED DOCUMENT

PART NUMBER  
SSL-LX304CGDREV.  
D

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	UPDATED SPECS.	1.26.95
B	CHG'D LEAD LENGTH.	2.20.95
C	E.C.N. #10BRDR. & REDRAWN IN 3D.	4.10.01
D	E.C.N. #11229.	3.18.05

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.2	2.6	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r=10\mu\text{A}$
AXIAL INTENSITY		1.0		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		140		$2\theta$	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN DIFFUSED				

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

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	25	mA
STEADY CURRENT	20	mA
POWER DISSIPATION	68	mW
DERATE FROM $25^{\circ}\text{C}$	-0.36	mW/ $^{\circ}\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

NOTES:

1. Ag PLATED LEADS.

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

REV.

D

PART NUMBER

SSL-LX304CGD

T-3mm CERAMIC STEM LED,  
565nm GREEN LED, GREEN DIFFUSED LENS.

## CONFIDENTIAL INFORMATION

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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.



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