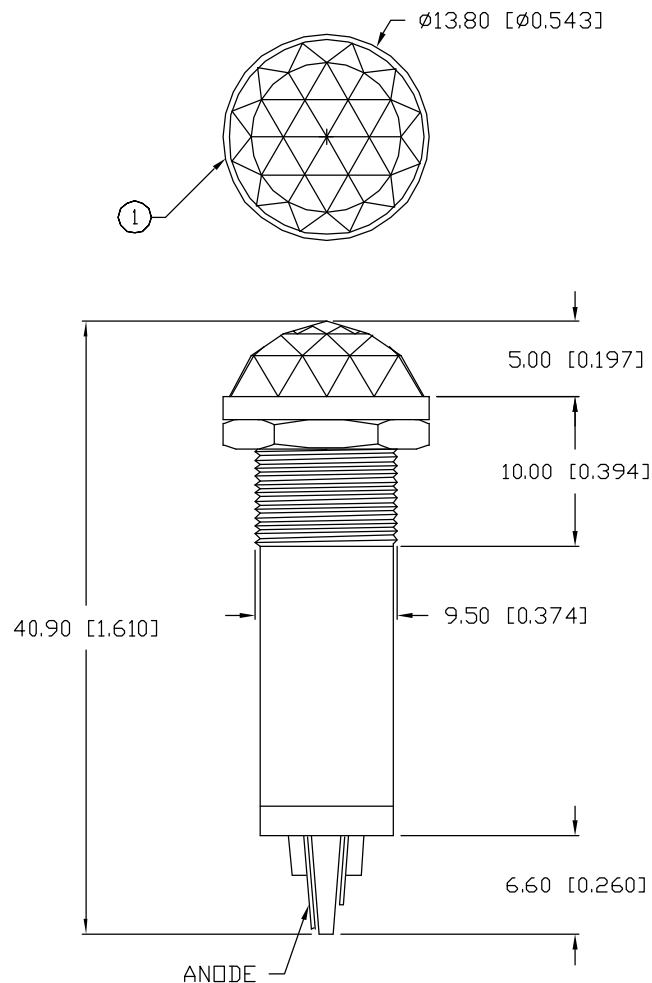


UNCONTROLLED DOCUMENT

PART NUMBER  
SSI-LXN730GDREV.  
E

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	ADDED NOTES.	5.27.93
B	ADDED NOTE 3.	6.17.93
C	ADDED MATERIAL NOTES.	7.15.93
D	CHANGED NOTE 3.	8.2.93
E	E.C.N. #10BRDR. & REDRAWN.	2.25.02

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			$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY		10		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		140		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN DIFFUSED				

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

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM $25^\circ\text{C}$	-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

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

## NOTES:

- SSI-LXN730G HOUSING & BUSHING KIT.  
HOUSING MATERIAL: ACRYLIC. BUSHING MATERIAL: PHENOLIC.
- SSL-LX5093GT OR SSL-5093GC.
- BOND LED BASE AND LENS WITH LOCITE #454 OR EQUIVALENT.

\*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.  
EPART NUMBER  
SSI-LXN730GDT-13 565nm GREEN LED PANEL INDICATOR,  
GREEN DIFFUSED, DIAMOND CUT 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.



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