

UNCONTROLLED DOCUMENT

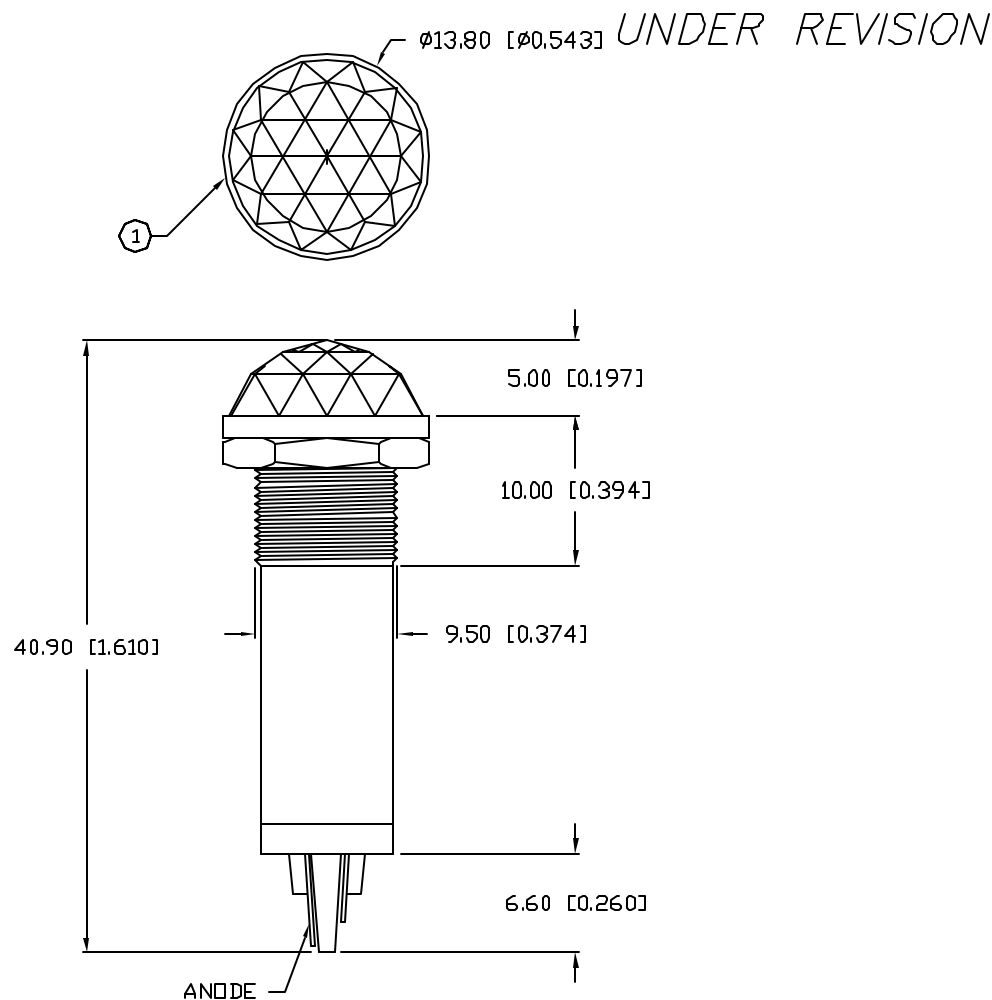
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PART NUMBER

REV.

SSI-LXN730ID

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		635		nm	
FORWARD VOLTAGE		2.0	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		10		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		140		2θ	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

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

NOTES:

- SSI-LXN730R HOUSING & BUSHING KIT.
HOUSING MATERIAL: ACRYLIC. BUSHING MATERIAL: PHENOLIC.
- SSL-LX5093IT OR SSL-5093K.
- BOND LED BASE AND LENS WITH LOCITE #454 OR EQUIVALENT.

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*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=+0.00 DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION

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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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T-13 635nm RED LED PANEL INDICATOR,
RED DIFFUSED, DIAMOND CUT LENS.

DRAWN BY:

BC

CHECKED BY:

APPROVED BY:

DATE: 5.29.92

PAGE: 1 OF 1

SCALE: N/A