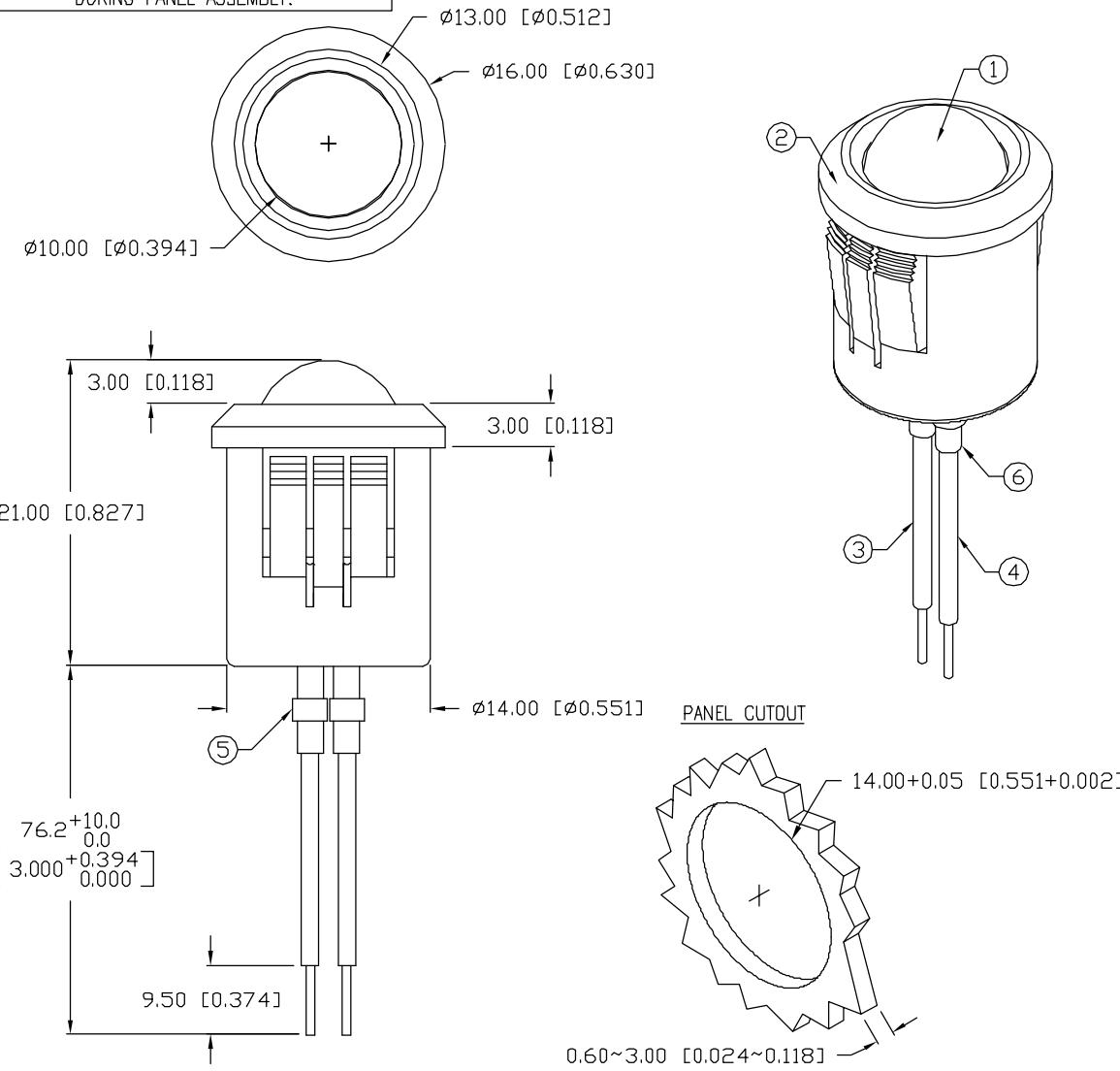


# UNCONTROLLED DOCUMENT

CAUTION: PRESSURE SENSITIVE ASSEMBLY  
AVOID APPLYING PRESSURE TO LED  
DURING PANEL ASSEMBLY.



\*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  
MAX= -0.00 -DECIMAL PRECISION

REV.

A

PART NUMBER

SSI-LXH1090SYD1275

T-10mm 590nm AlInGaP YELLOW LED PANEL INDICATOR,  
YELLOW DIFFUSED LENS, 3" WIRE LEADS, 12V OPERATION.

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.

PART NUMBER

SSI-LXH1090SYD1275

REV.

A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11092.	2.9.04

## ELECTRO-OPTICAL CHARACTERISTICS TA=25°C Vf=12V

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590		nm	
FORWARD VOLTAGE		12.0	14.0	Vf	
REVERSE VOLTAGE	5.0			Vr	I <sub>f</sub> =100μA
AXIAL INTENSITY		200		mcd	V <sub>f</sub> =12V
VIEWING ANGLE	60			2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	YELLOW DIFFUSED				

## LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD VOLTAGE	14	V
STEADY CURRENT	12	mA
POWER DISSIPATION	305	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C

## NOTES:

1. SSL-LX10013SYD12V LED.
2. SSH-RTF1090 HOLDER.
3. ANODE LEAD: LXP-WST24RDT0C, 24 AWG STRANDED, RED INSULATION, CUT 62mm LONG, STRIP 3mm & 9.5mm.
4. CATHODE LEAD: LXP-WST24BLT0C, 24 AWG STRANDED, BLACK INSULATION, CUT 62mm LONG, STRIP 3mm & 9.5mm.
5. CRIMP WIRE LEADS TO LED LEADS.
6. 2 PIECES- 32mm, 1/16" BLACK HEAT SHRINK TUBING.
7. UV EPOXY TO RETAIN LED IN HOLDER.

# UNCONTROLLED DOCUMENT



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