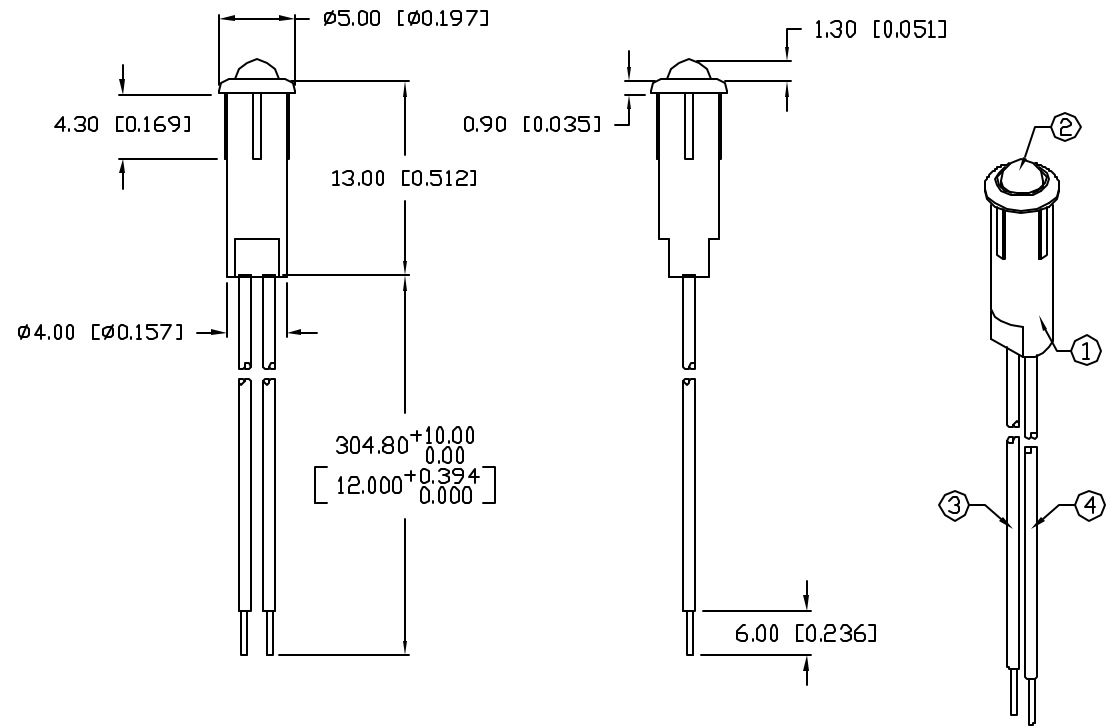


UNCONTROLLED DOCUMENT

PART NUMBER
SSI-LXH312AD-300

REV.
C

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	ADDED TO NOTE #3.	5.12.95
B	E.C.N. #10178.	6.5.96
C	E.C.N. #10BRDR. & REDRAWN.	7.12.01



NOTES:

- SSH-LXH3121 HOLDER, BLACK NYLON 94-V.
- SSL-LX3044AD LED, LEADS CUT TO 5mm.
- ANODE LEAD: LXP-WST26RDT0C, RED INSULATED LEAD, 26 AWG, CUT 308mm LONG, STRIP 3.0mm & 6.0mm.
- CATHODE LEAD: LXP-WST26BLT0C, BLACK INSULATED LEAD, 26 AWG, CUT 308mm LONG, STRIP 3.0mm & 6.0mm.
- MOUNTING HOLE: $\phi 0.170'' - \phi 0.174''$

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		605		nm	
FORWARD VOLTAGE		2.1	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		30		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	AMBER				
EPOXY LENS FINISH:	AMBER 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	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

*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

UNCONTROLLED DOCUMENT

REV. C	PART NUMBER SSI-LXH312AD-300
T-3mm LED BLACK PANEL INDICATOR WITH 12" WIRE LEADS, 605nm AMBER LED, AMBER DIFFUSED 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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