

UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SSI-LXH9HD5V-180		C
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	UPDATED SPECS AND NOTES.	5.31.95
B	E.C.N. #10427.	5.15.98
C	E.C.N. #10BRDR. & REDRAWN IN 3D.	1.8.02

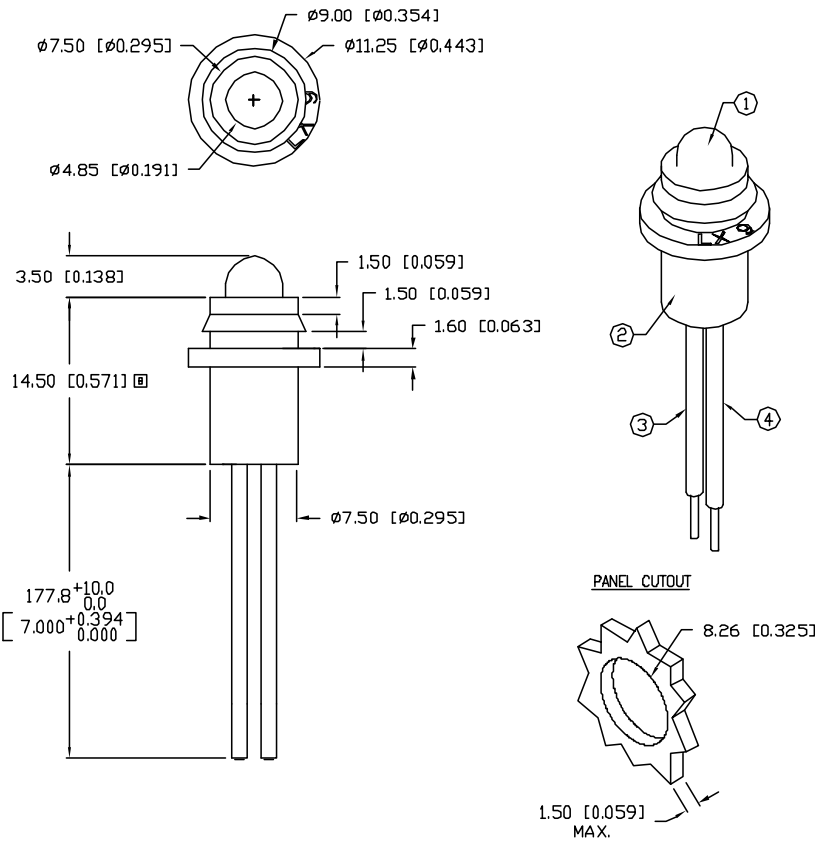
ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$   $V_f=5\text{ V}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		700		nm	
FORWARD VOLTAGE		5.0	7.0	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_f=100\mu\text{A}$
AXIAL INTENSITY		5		mcd	$V_f=5\text{ V}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD VOLTAGE	7	V
STEADY CURRENT	12	mA
POWER DISSIPATION	310	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C

- NOTES:
1. SSL-LX509F3HD-5V, RED LED.
  2. SSH-LXH9, BLACK RUBBER HOUSING.
  3. ANODE LEAD: LXP-WST24RDTCC, 24 AWG STRANDED, RED INSULATION, CUT 186mm LONG, STRIP 2mm ON ONE END.
  4. CATHODE LEAD: LXP-WST24BLTCC, 24 AWG STRANDED, BLACK INSULATION, CUT 186mm LONG, STRIP 2mm ON ONE END.
  5. CRIMP WIRE LEADS TO LED 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

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REV.	PART NUMBER
C	SSI-LXH9HD5V-180
T-5mm 700nm RED LED PANEL INDICATOR, RED DIFFUSED LENS, 7" WIRE LEADS, 5 VOLTS.	

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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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DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
BC			11.29.94
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			SCALE: N/A