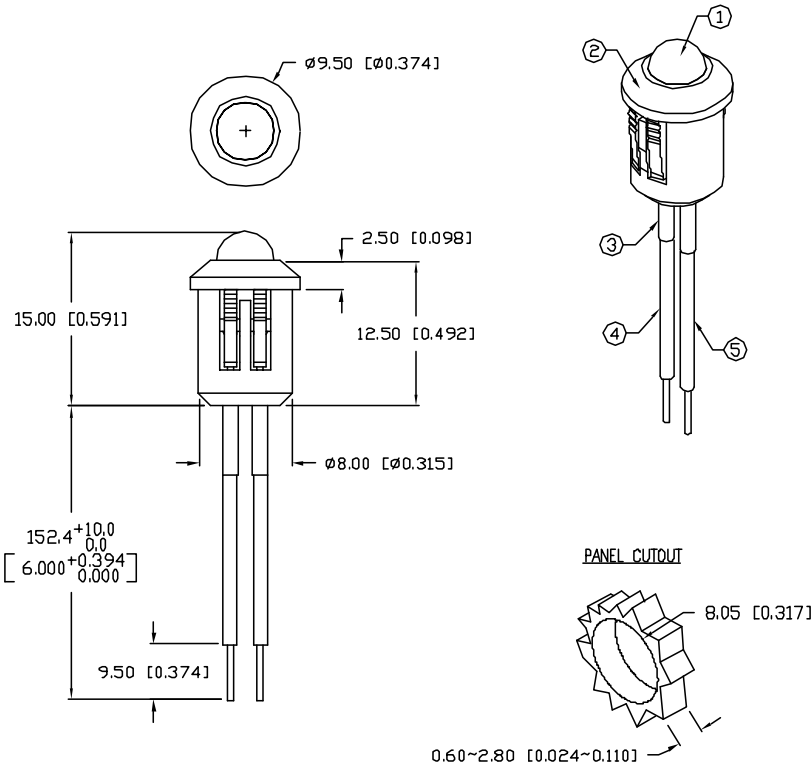


UNCONTROLLED DOCUMENT

PART NUMBER  
SSI-LXR5010SID-150

REV.

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



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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636		nm	
FORWARD VOLTAGE		2.0	2.5	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_f=100\mu\text{A}$
AXIAL INTENSITY		100		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

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

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	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-LX5093SID, RED LED. TRIM LEADS TO 3-4mm.
  - SSH-RTF5010, BLACK HOLDER.
  - LXP-HEATSHRINK-2, (2 PCS.) 1/16" x 1/2".
  - ANODE LEAD: LXP-WST24RDT0C, CUT 160mm LONG, STRIP ENDS 3mm & 9.5mm.
  - CATHODE LEAD: LXP-WST24BLT0C, CUT 160mm LONG, STRIP ENDS 3mm & 9.5mm.

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\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XI=±0.5 (±0.020), XIX=±0.25 (±0.010), XXX=±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

REV.	PART NUMBER SSI-LXR5010SID-150
T-5mm, 636nm AlInGaP RED LED PANEL INDICATOR, RED DIFFUSED LENS, 6" WIRE LEADS.	

**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.



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