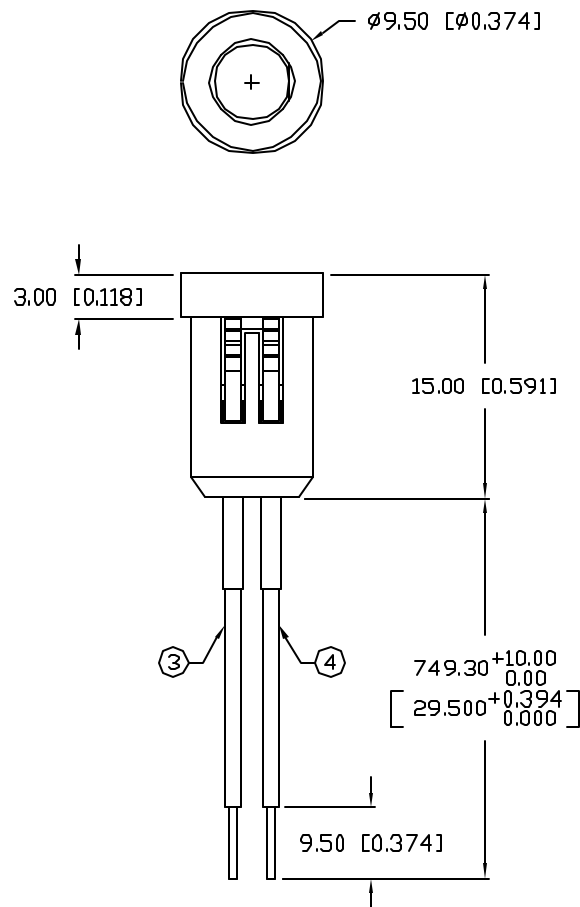


UNCONTROLLED DOCUMENT



## NOTES:

1. SSL-LX5093ID LED, CUT LEADS TO 4mm.
2. SSH-RTF5020 HOLDER.
3. ANODE LEAD: LXP-WST24RDTQC CUT 755 LONG, STRIP 3mm & 9.5mm.
4. CATHODE LEAD: LXP-WST24BLTQC CUT 755 LONG, STRIP 3mm & 9.5mm.
5. LXP-HEATSHRINK-2, (2 PGS.) 1/16" x 1/2" LONG.

PANEL CUTOUT: 8.05mm  
PANEL THICKNESS: 0.6~2.8mm

PART NUMBER  
SSI-LXR5020ID-750

REV.  
D

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	CHG'D LEAD LENGTH.	11.15.94
B	REVISED NOTES.	5.16.95
C	E.C.N. #10BRDR. & REDRAWN.	6.10.99
D	E.C.N. #10BRDR. & REDRAWN.	8.30.01

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			$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY		40		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	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX

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

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

UNCONTROLLED DOCUMENT

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE:  $X=\pm 1$  ( $\pm 0.039$ ),  $XX=\pm 0.5$  ( $\pm 0.020$ ),  $XXX=\pm 0.25$  ( $\pm 0.010$ ),  $XXXX=\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ). MIN=  $\begin{smallmatrix} +0.00 \\ -0.00 \end{smallmatrix}$  DECIMAL PRECISION MAX=  $\begin{smallmatrix} +0.00 \\ -0.00 \end{smallmatrix}$  DECIMAL PRECISION

REV.

D

PART NUMBER

SSI-LXR5020ID-750

## 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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T-5mm (T-1 3/4) ROUND PANEL INDICATOR LED,  
635nm HIGH INTENSITY RED LED, RED DIFFUSED LENS,  
WITH 29.5" WIRE LEADS.

DRAWN BY:

GT

CHECKED BY:

APPROVED BY:

DATE: 11.10.94

PAGE: 1 OF 1

SCALE: N/A

# Mouser Electronics

Authorized Distributor

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