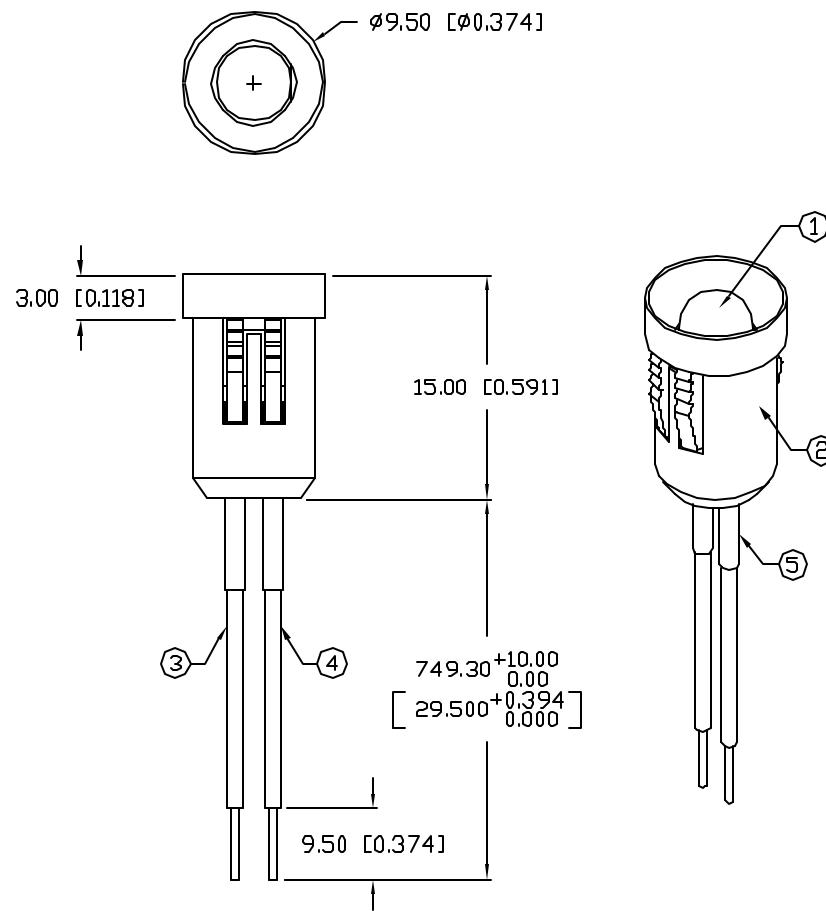


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NOTES:

1. SSI-LX5093ID LED, CUT LEADS TO 4mm.
2. SSH-RTF5020 HOLDER.
3. ANODE LEAD: LXP-WST24RDT0C CUT 755 LONG, STRIP 3mm & 9.5mm.
4. CATHODE LEAD: LXP-WST24BLT0C CUT 755 LONG, STRIP 3mm & 9.5mm.
5. LXP-HEATSHRINK-2, (2 PCS.) 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. #108RDR. & REDRAWN.	6.10.99
D	E.C.N. #108RDR. & 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°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

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

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

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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (± 0.03), XX=±0.5 (± 0.02), XXX=±0.25 (± 0.01), XXXX=±0.127 (± 0.005), LEAD SIZE=±0.05 (± 0.002), LEAD LENGTH=±0.75 (± 0.30), MIN= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$ DECIMAL PRECISION MAX= $\begin{matrix} +0.00 \\ -0.00 \end{matrix}$ DECIMAL PRECISION

REV.	PART NUMBER	CONFIDENTIAL INFORMATION	LUMEX	290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw
D	SSI-LXR5020ID-750	THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.		DRAWN BY: CT
	T-5mm (T-1 3/4) ROUND PANEL INDICATOR LED, 635nm HIGH INTENSITY RED LED, RED DIFFUSED LENS, WITH 29.5" WIRE LEADS.	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.	CHECKED BY:	APPROVED BY:

DATE: 11.10.94
PAGE: 1 OF 1
SCALE: N/A

Mouser Electronics

Authorized Distributor

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