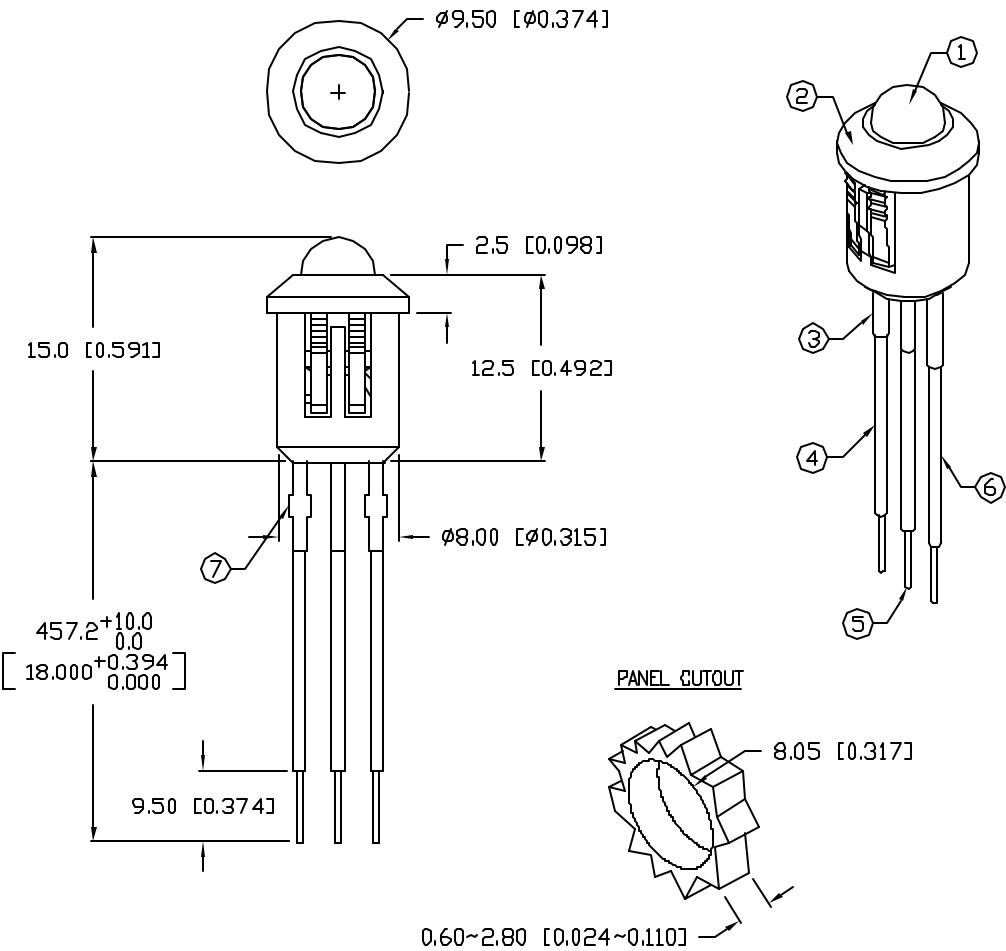


# UNCONTROLLED DOCUMENT

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



PART NUMBER  
SSI-LXR5010IY34285

REV.  
C

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10409.	1.28.98
B	E.C.N. #10BRDR.	6.17.99
C	E.C.N. #10BRDR. & REDRAWN IN 3D.	1.4.02

## ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $V_f=28\text{V}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
		585 (YELLOW)		nm	
FORWARD VOLTAGE (R/Y)		28.0		V <sub>f</sub>	
REVERSE VOLTAGE	5.0			V <sub>r</sub>	
AXIAL INTENSITY		20		mcd	$I_f=100\mu\text{A}$
VIEWING ANGLE		60		2x theta	$V_f=28\text{V}$
EMITTED COLOR:	RED/YELLOW				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				

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

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/Y)	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:

1. SSI-LX5099IY, RED/YELLOW BICOLOR LED, CUT LEADS TO 5mm.
2. SSH-RTF5010 HOLDER.
3. LXP-HEATSHRINK-3 (3 PCS.) 3/32" x 50mm.
4. RED ANODE: LXP-WST24RDT0C, CUT TO 425mm LONG, TRIM 3mm AND 9.5mm.
5. COMMON CATHODE: LXP-WST24BLT0C, CUT TO 465mm LONG, TRIM 3mm AND 9.5mm.
6. YELLOW ANODE: LXP-WST24GR0T0C, CUT TO 425mm LONG, TRIM 3mm AND 9.5mm.
7. LXP-RES 2K OHMS, 1/2W, CUT 22mm-24mm. (2 PCS.)

# UNCONTROLLED DOCUMENT

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 ( $\pm 0.039$ ), XX=±0.5 ( $\pm 0.020$ ), XXX=±0.25 ( $\pm 0.010$ ), XXXX=±0.127 ( $\pm 0.005$ ). LEAD SIZE=±0.05 ( $\pm 0.002$ ), LEAD LENGTH=±0.75 ( $\pm 0.030$ ). MIN=  $\pm 0.05$  DECIMAL PRECISION MAX=  $\pm 0.00$  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.tw
C	SSI-LXR5010IY34285	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: BC
	T-5mm (T-1 3/4) TRI-LEADED LED INDICATOR, WITH 18" WIRE LEADS, RED/YELLOW BICOLOR LED, MILKY WHITE DIFFUSED LENS, COMMON CATHODE.	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: 12.11.97 PAGE: 1 OF 1 SCALE: N/A