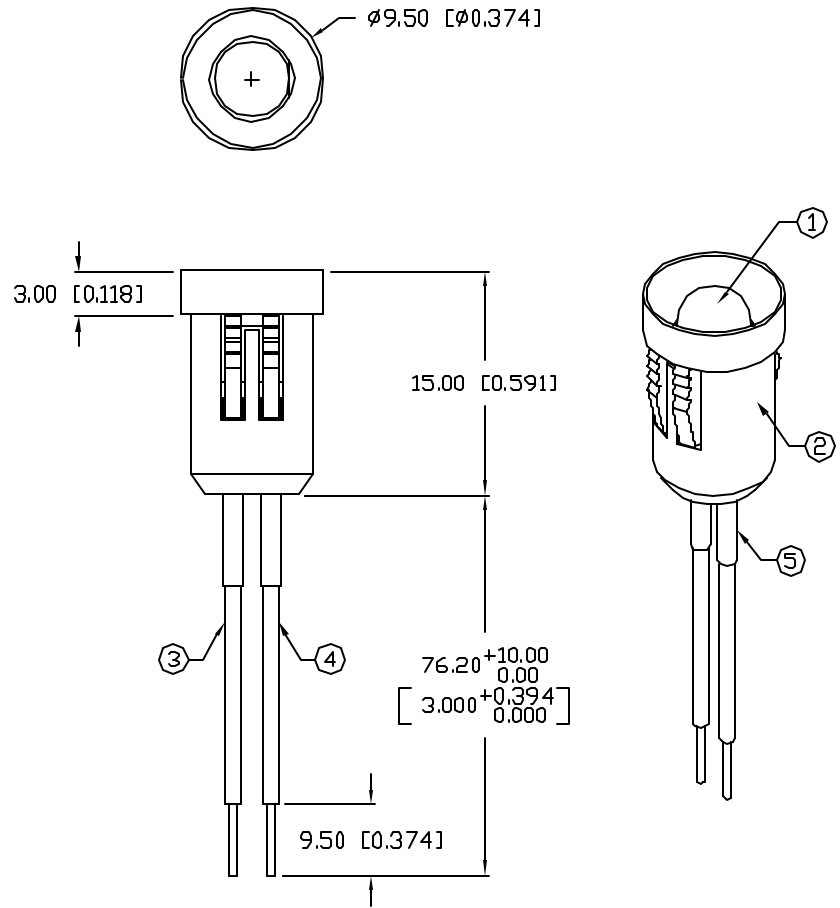


UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SSI-LXR5020YD-75		B
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10BRDR. & REDRAWN.	6.10.99
B	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		585		nm	
FORWARD VOLTAGE		2.1	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		30		med	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	YELLOW				
EPOXY LENS FINISH:	YELLOW 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/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX

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

NOTES:

1. SSL-LX5093YD LED, CUT LEADS TO 4mm.
2. SSH-RTF5020 HOLDER.
3. ANODE LEAD: LXP-WST24RDTQC CUT 85 LONG, STRIP 3mm & 9.5mm.
4. CATHODE LEAD: LXP-WST24BLTQC CUT 85 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

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

*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= $^{+0.00}_{-0.00}$ DECIMAL PRECISION, MAX= $^{+0.00}_{-0.00}$ DECIMAL PRECISION.

UNCONTROLLED DOCUMENT

REV.	PART NUMBER
B	SSI-LXR5020YD-75

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T-5mm (T-1 3/4) ROUND PANEL INDICATOR LED,
585nm YELLOW LED, YELLOW DIFFUSED LENS,
WITH 3" 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.

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE:
GT			9.10.97
			PAGE: 1 OF 1
			SCALE: N/A