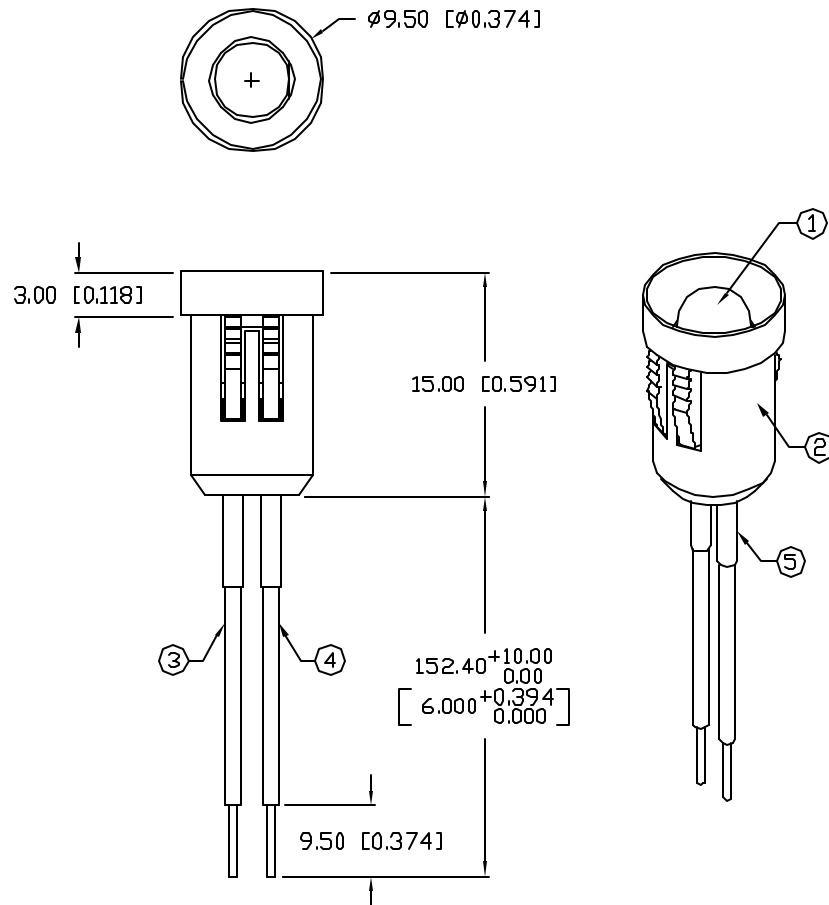


UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SSI-LXR5020HGW-150		A
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	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		700 (RED)		nm	
		565 (GREEN)		nm	
FORWARD VOLTAGE (R/G)		2.0/2.2	2.5/2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY (R/G)		6/25		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED/GREEN				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT		25	mA
POWER DISSIPATION	(R/G)	120/105	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

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

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

NOTES:

- SSL-LX5093HGW LED, CUT LEADS TO 4mm.
 - SSH-RTF5020 HOLDER.
 - RED ANODE LEAD: LXP-WST24RDT0C CUT 160 LONG, STRIP 3mm & 9.5mm.
 - GREEN ANODE LEAD: LXP-WST24BLT0C CUT 160 LONG, STRIP 3mm & 9.5mm.
 - LXP-HEATSHRINK-2, (2 PCS.) 1/16" x 1/2" LONG.
- PANEL CUTOUT: 8.05mm
PANEL THICKNESS: 0.6~2.8mm

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

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REV.	PART NUMBER
A	SSI-LXR5020HGW-150

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T-5mm (T-1 3/4) ROUND PANEL INDICATOR LED,
700nm RED/565nm GREEN BICOLOR LED, MILKY WHITE LENS,
WITH 6" 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			6.10.99
			PAGE: 1 OF 1
			SCALE: N/A