

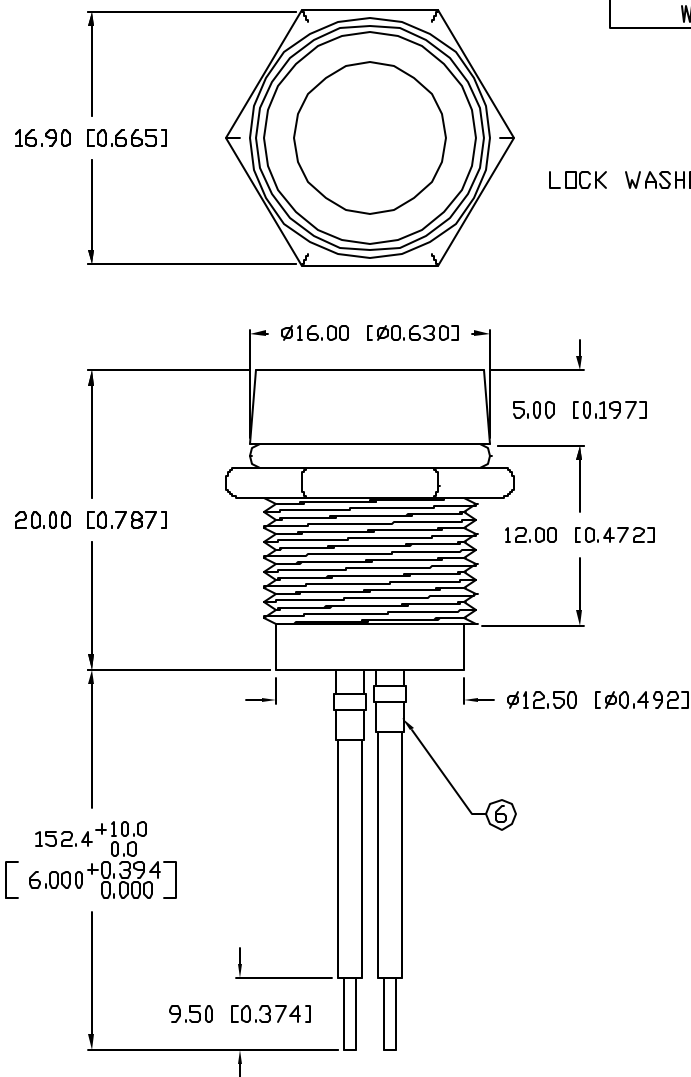
UNCONTROLLED DOCUMENT

PART NUMBER

SSI-LXR4915SYD150W

REV.

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.



LOCK WASHER

PANEL CUTOUT

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		590		nm	
FORWARD VOLTAGE		2.1	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY		350		med	$I_f=20\text{mA}$
VIEWING ANGLE		60		$2\times\theta$	
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/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

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

NOTES:

- SSI-LX100133SYD, YELLOW LED UN CUT LEADS.
- SSI-LXR4915, CHROME HOUSING.
- NEOPRENE RUBBER BUSHING.
- ANODE LEAD: LXP-WST24RDTGC, 24 AWG STRANDED, RED INSULATION, CUT 142mm LONG, STRIP 3mm & 9.5mm.
- CATHODE LEAD: LXP-WST24BLTGC, 24 AWG STRANDED, BLACK INSULATION, CUT 142mm, STRIP 3mm & 9.5mm.
- LXP-HEATSHRINK-2; 1/16" X 37mm (2 PCS.)
- LED IS SECURED INSIDE HOLDER WITH UV GLUE.
- BACK FILL WITH SILICON ADHESIVE, THEN INSERT BUSHING.

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

REV.

PART NUMBER

SSI-LXR4915SYD150W

10mm, 590nm AlInGaP SUPER YELLOW LED PANEL INDICATOR,
YELLOW DIFFUSED LENS, 6" WIRE LEADS, SPLASH PROOF.

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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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