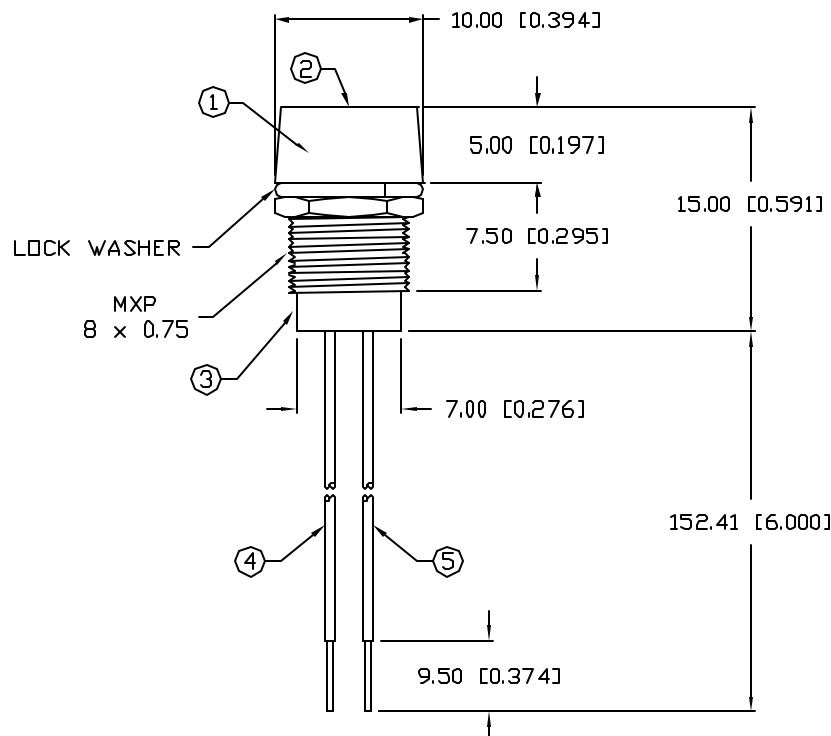




NOTES:

- SSI-LXR4815, CHROME HOUSING.
- SSL-LX5083UWC, CUT LEADS TO 5mm (NOT SHOWN).
- SSH-LXH4815BSC, BLACK NYLON BUSHING (NOT SHOWN).
- ANODE LEAD: LXP-WST24RDT0C, 24 AWG., RED INSULATION, CUT 160mm LONG, STRIP 2.0mm & 9.5mm.
- CATHODE LEAD: LXP-WST24BLT0C, 24 AWG., BLACK INSULATION, CUT 160mm LONG, STRIP 2.0mm & 9.5mm.
- CRIMP WIRE LEADS TO LED. THREAD WIRES THRU BUSHING AND INSERT LED AND BUSHING INTO HOUSING. CRIMP BUSHING INTO PLACE.

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

PARAMETER	SYMBOL	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH			550 (WHITE)		nm	
FORWARD VOLTAGE	V_f		3.6	4.0	V	$I_f=20\text{mA}$
REVERSE VOLTAGE	V_r	5			V	$I_r=10\mu\text{A}$
AXIAL INTENSITY(*1)	I_v		600		mcad	$I_f=20\text{mA}$
CHROMATICITY	X		0.29			
COORDINATES(*2)	Y		0.30			$I_f=10\text{mA}$
VIEWING ANGLE			30		2x theta	
EMITTED COLOR:	WHITE					
EPOXY LENS FINISH:	WATER CLEAR					

*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.

*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	SYMBOL	MAX	UNITS
PULSE FORWARD CURRENT	I_p	100*	mA
STEADY CURRENT	I_F	30	mA
POWER DISSIPATION	P_D	120	mW
OPERATING TEMP.	T_{OPR}	-30 TO +80	$^\circ\text{C}$
STORAGE TEMP.	T_{STG}	-40 TO +100	$^\circ\text{C}$
SOLDERING TEMP.		+260	$^\circ\text{C}$
2.0mm FROM BODY			3 SEC. MAX

*DUTY 1/10 PULSE WIDTH 10ms

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

*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 MAX.=+0.00 -0.00 DECIMAL PRECISION

REV.

PART NUMBER

SSI-LXR4815UWC-150

T-5mm (T-1 3/4) LED, METAL REFLECTOR PANEL INDICATOR,
550nm ULTRA WHITE LED, WATER CLEAR LENS.

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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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SCALE: N/A