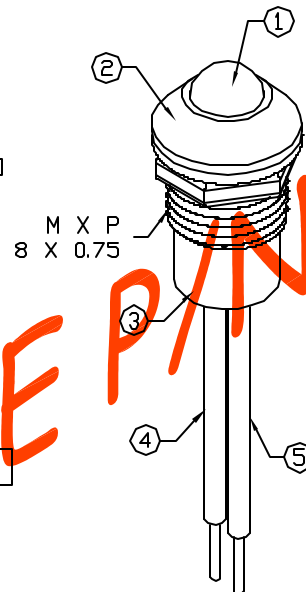
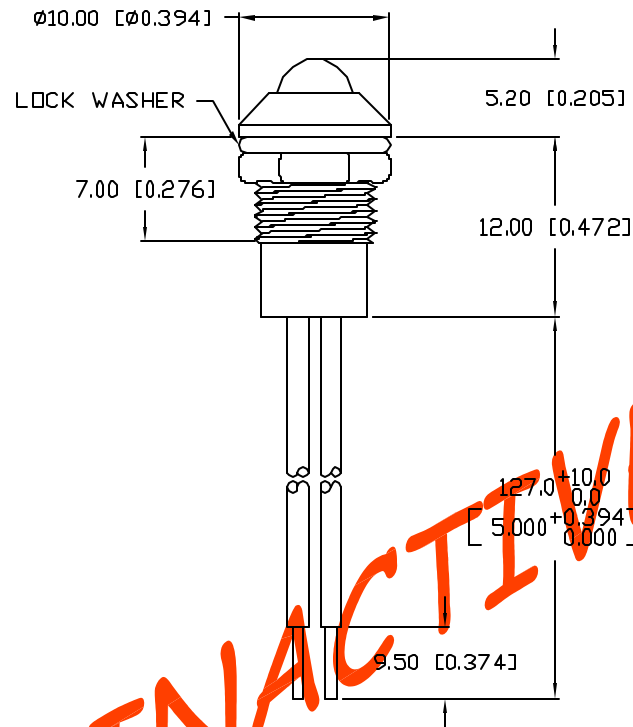


UNCONTROLLED DOCUMENT

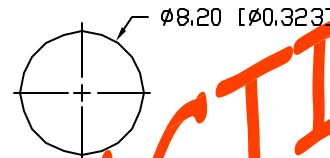
PART NUMBER

SSI-LXR3816SU130BW

REV.



PANEL CUTOUT



NOTES:

1. SSL-LX0093SUGD, GREEN LED. TRIM TO 4mm.
2. SSI-LXR3816-B, BLACK ANODIZED HOUSING.
3. SSH-LXH4B15BSG, BUSHING, NOT SHOWN. INSERT AND CRIMP.
4. ANODE LEAD: LXP-WST24RDT0C, 24 AWG. TINNED OVERCOAT, RED INSULATION, CUT 140mm LONG, STRIP 4.5mm & 3mm.
5. CATHODE LEAD: LXP-WST24BLT0C, 24 AWG. TINNED OVERCOAT, BLACK INSULATION, CUT 140mm LONG, STRIP 4.5mm & 3mm.
6. ASSEMBLE IN ORDER: LED, SILICON, THEN BUSHING.

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		574		nm	
FORWARD VOLTAGE		2.2	2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		170		med	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	200	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	60	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY		3 SEC. MAX
* $t < 10\mu\text{s}$		

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

REV.

PART NUMBER

SSI-LXR3816SU130BW

T-5mm 574nm AlInGaP GREEN LED PANEL INDICATOR,
GREEN DIFFUSED LENS, 5.0" WIRE LEADS, SPLASH PROOF,
NO RUBBER GROMMET.

CONFIDENTIAL INFORMATION

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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