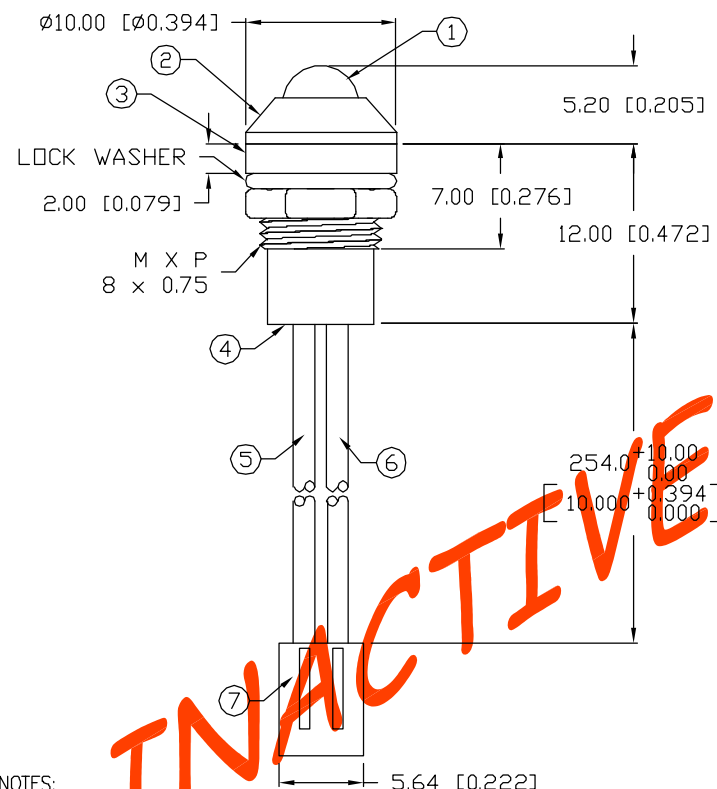


UNCONTROLLED DOCUMENT



NOTES:

1. SSL-LX5093SD, RED LED. TRIM TO 4mm.
2. SSI-LXR3816-B, BLACK ANODIZED HOUSING.
3. LXP-WA-3816, RUBBER GASKET.
4. SSH-LXH4815BSG, BUSHING, NOT SHOWN. INSERT AND CRIMP.
5. ANODE LEAD: LXP-WST24RDT0C, 24 AWG. TINNED OVERCOAT, RED INSULATION, CUT 270mm LONG, STRIP 4.5mm & 3mm.
6. CATHODE LEAD: LXP-WST24BLT0C, 24 AWG. TINNED OVERCOAT, BLACK INSULATION, CUT 270mm LONG, STRIP 4.5mm & 3mm.
7. LXP-CONN22-01-2027, MOLEX CONNECTOR #22-01-2027.
8. ASSEMBLE IN ORDER: LED, SILICON, THEN BUSHING.
9. SPLASH RESISTANT PER NEMA SPEC. 250 SECTION 6.7.

*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

PART NUMBER
SSI-LXR3816SI19516

REV.

A

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #11070.	12.19.03

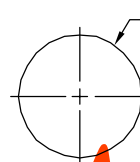
ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		636		nm	
FORWARD VOLTAGE		2.0	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		700		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED 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	$^\circ\text{C}$
* $t < 10\mu\text{s}$		

PANEL CUTOUT



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REV.

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SSI-LXR3816SI19516

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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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T-5mm 636nm AlInGaP RED LED PANEL INDICATOR,
RED DIFFUSED LENS, 10" WIRE LEADS, SPLASH PROOF,
WITH MOLEX CONNECTOR #22-01-2027.

DRAWN BY:	CHECKED BY:	APPROVED BY:	DATE: 12.10.03
CT			PAGE: 1 OF 1
			SCALE: N/A