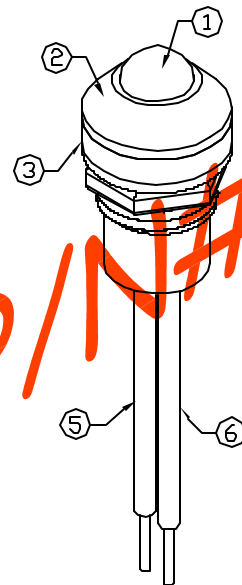
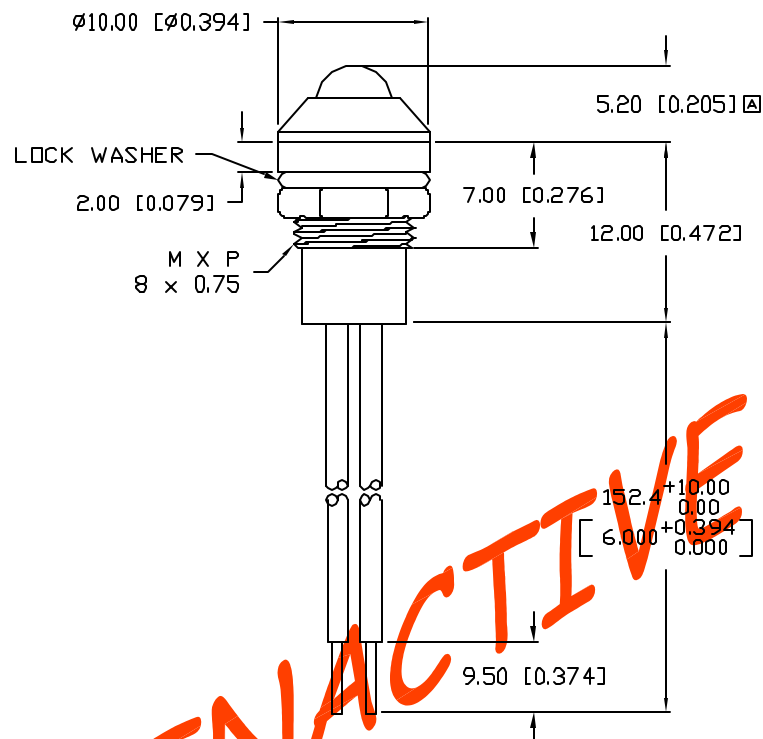
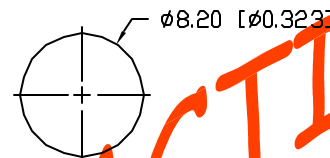


UNCONTROLLED DOCUMENT



PANEL CUTOUT



NOTES:

1. SSI-LX5093SYD, YELLOW LED. TRIM TO 4mm.
2. SSI-LXR3816, CHROME HOUSING.
3. LXP-WA-3816, RUBBER GASKET.
4. SSH-LXH4815BSG, BUSHING.
5. ANODE LEAD: LXP-WST24RDTQC, 24 AWG. TINNED OVERCOAT, RED INSULATION, CUT 160mm LONG, STRIP 9.5mm & 3mm.
6. CATHODE LEAD: LXP-WST24BLTQC, 24 AWG. TINNED OVERCOAT, BLACK INSULATION, CUT 160mm LONG, STRIP 9.5mm & 3mm.
7. ASSEMBLE IN ORDER: LED, SILICON, THEN BUSHING.
8. SPLASH RESISTANT PER NEMA SPEC. 250 SECTION 6.7.

*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=+0.00 / -0.00, MAX=+0.00 / -0.00

PART NUMBER

SSI-LXR3816SYD15WR

REV.

A

REV. E.C.N. NUMBER AND REVISION COMMENTS

DATE

A E.C.N. #10810. & REDRAWN IN 3D.

11.12.01

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		2.0	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		300		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x 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	100	mW
DERATE FROM 25°C	-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

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

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REV.

A

PART NUMBER

SSI-LXR3816SYD15WR

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.



290 E. HELEN ROAD
PALATINE, IL 60067-6976
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

T-5mm 590nm SUPER YELLOW LED PANEL INDICATOR,
YELLOW DIFFUSED LENS, 6.0" WIRE LEADS, SPLASH PROOF.

DRAWN BY:

BC

CHECKED BY:

APPROVED BY:

DATE: 6.7.99

PAGE: 1 OF 1

SCALE: N/A