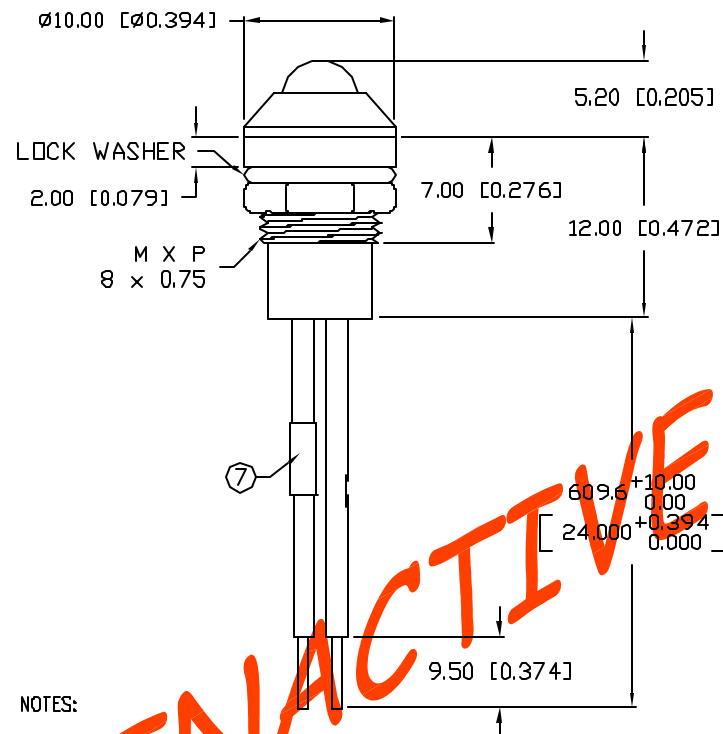


UNCONTROLLED DOCUMENT

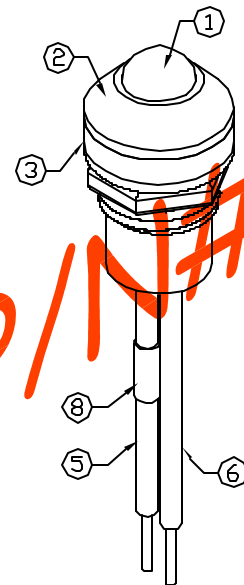
PART NUMBER
SSI-LXR3816GD2424W

REV.

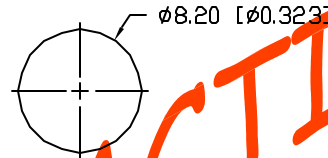


NOTES:

1. SSL-LX5093GD, GREEN LED. TRIM TO 4mm.
2. SSI-LXR3816, CHROME HOUSING.
3. LXP-WA-3816, RUBBER GASKET.
4. SSH-LXH4815BSG, BUSHING. INSERT AND CRIMP.
5. ANODE LEAD: LXP-WST24RDT0C, 24 AWG. TINNED OVERCOAT, RED INSULATION, CUT 45mm LONG, STRIP 3mm BOTH ENDS. CUT 550mm. STRIP 9.5mm & 3mm.
6. CATHODE LEAD: LXP-WST24BLT0C, 24 AWG. TINNED OVERCOAT, BLACK INSULATION, CUT 620mm LONG, STRIP 9.5mm & 3mm.
7. RESISTOR: LXP-RES 1000 1/2W, 1K Ω , 1/2W. TRIM 18mm END TO END.
8. INSULATE RESISTOR AND CRIMP WITH HEATSHRINK (1/8" x 1" LONG) LXP-HEATSHRINK-3.
9. ASSEMBLE IN ORDER: LED, SILICON, THEN BUSHING.
10. SPLASH RESISTANT PER NEMA SPEC. 250 SECTION 6.7.



PANEL CUTOUT

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $V_f=24\text{V}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		24	28	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		20		mcd	$V_f=24\text{V}$
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 VOLTAGE	28	V
STEADY CURRENT	18	mA
POWER DISSIPATION	310	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	

*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 DECIMAL PRECISION, MAX.=+0.00 / -0.00 DECIMAL PRECISION.

REV.

PART NUMBER

SSI-LXR3816GD2424W

T-5mm 565nm GREEN LED PANEL INDICATOR, 24 VOLT,
GREEN DIFFUSED LENS, 24" WIRE LEADS, SPLASH PROOF.

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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DATE: 7.14.03

PAGE: 1 OF 1

SCALE: N/A