

UNCONTROLLED DOCUMENT

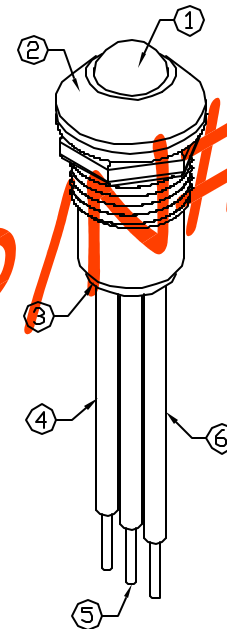
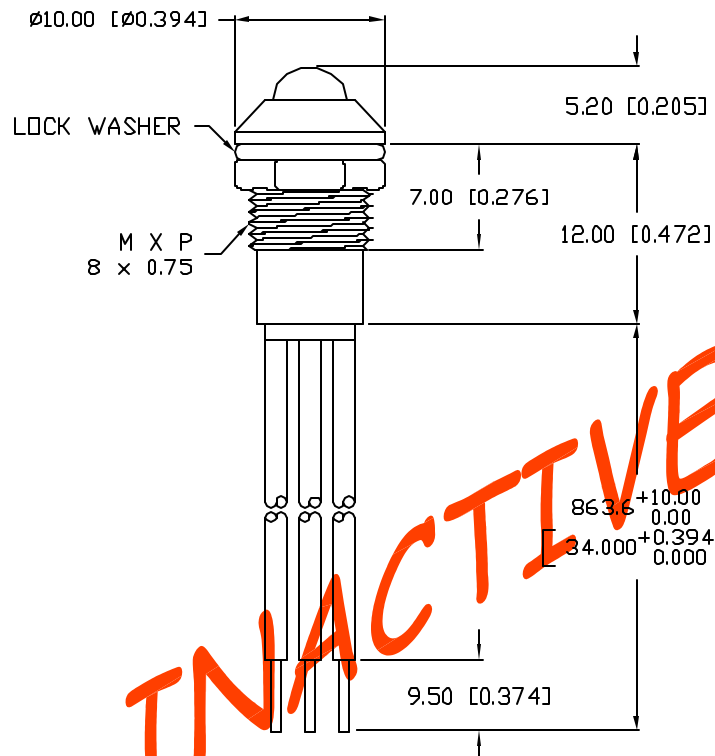
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PART NUMBER

REV.

SSI-LXR3816IG3860B

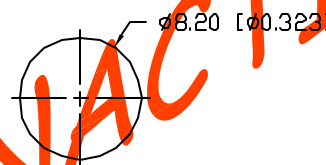
PRELIMINARY IN P/N DIR.



NOTES:

1. SSL-LX5099IGW, RED/GREEN LED. TRIM LEADS TO 7mm.
2. SSI-LXR3816-B, BLACK ANODIZED HOUSING.
3. SSH-LXH4815BSG-3, BUSHING.
4. RED ANODE: LXP-WST24RDTQC, 24 AWG. TINNED OVERCOAT, RED INSULATION, CUT 870mm LONG, STRIP 3.18mm AND 9.5mm.
5. COMMON CATHODE: LXP-WST24BLTOC, 24 AWG. TINNED OVERCOAT, BLACK INSULATION, CUT 870mm LONG, STRIP 3.18mm AND 9.5mm.
6. GREEN ANODE: LXP-WST24GRTOC, 24 AWG. TINNED OVERCOAT, GREEN INSULATION, CUT 870mm LONG, STRIP 3.18mm AND 9.5mm.
7. NO EXPOSED WIRE ALLOWED BEYOND END OF BUSHING.

PANEL CUTOUT

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
		565 (GREEN)		nm	
FORWARD VOLTAGE (R/G)		2.0/2.2	2.5/2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		25		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED/GREEN				
EPOXY LENS FINISH:	MILKY WHITE DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/G)	30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.2	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.		-40 TO +85	$^\circ\text{C}$

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

*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 DECIMAL PRECISION MAX.=+0.00 DECIMAL PRECISION

REV.

PART NUMBER

SSI-LXR3816IG3860B

T-5mm RED/GREEN LED PANEL INDICATOR,
THREE LEADED, COMMON CATHODE.
MILKY WHITE DIFFUSED LENS, 34" WIRE LEADS.

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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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GT

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SCALE: N/A