



NOTES:

1. SSL-LX5093SOC LED, TRIM LEADS TO 4mm.
2. SSI-LXR3816, BLACK ANODIZED HOLDER.
3. ANODE LEAD: LXP-WST24RDTOC, 24 AWG TINNED OVERCOAT, RED INSULATION, CUT 160mm LONG, STRIP 3mm & 9.5mm.
4. CATHODE LEAD: LXP-WST24BLTOC, 24 AWG TINNED OVERCOAT, BLACK INSULATION, CUT 160mm LONG, STRIP 3mm & 9.5mm.
5. SSH-LXH4815BSG, INSERT INTO HOUSING & CRIMP.
6. CRIMP WIRE TO LED LEADS (2 PLACES).

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		620		nm	
FORWARD VOLTAGE		1.8	2.3	V_f	
REVERSE VOLTAGE	4.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	1500	2500		mcd	$I_f=20\text{mA}$
VIEWING ANGLE		25		2x theta	
EMITTED COLOR:	SUPER ORANGE				
EPOXY LENS FINISH:	WATER CLEAR				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	50	mA
POWER DISSIPATION	125	mW
DERATE FROM 25°C	-2.0	$\text{mW}/^\circ\text{C}$
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), 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 -DECIMAL PRECISION

REV.

PART NUMBER

SSI-LXR3816SOC-B15

T-5mm LED BLACK ANODIZED PANEL INDICATOR,
620nm SUPER ORANGE, CLEAR LENS, 6" 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.

LUMEX
INCORPORATED

290 E. HELLEN ROAD
PALATINE, ILLINOIS 60067
PHONE: (847) 359-2790
WEB: <http://www.lumex.com>

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 8-8-00

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PAGE: 1 OF 1

SCALE: N/A