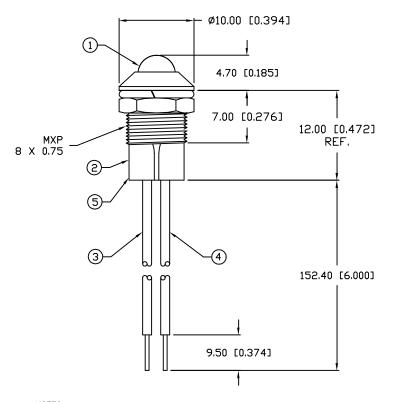
## SSI-LXR3816SOC-B15



## 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 CH	IARACTERIS	TICS TA=25	5°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			$v_r$	Ir=100µA
AXIAL INTENSITY	1500	2500		mcd	$I_f = 20 \text{mA}$
VIEWING ANGLE		25		2x theta	
EMITTED COLOR:	SUPER (	ORANGE			
EPOXY LENS FINISH:	WATER C	LEAR			

## 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	mW/°C
OPERATING, STORAGE TEMP.	- 40 TO +85	•C
SOLDERING TEMP.	+ 260	<b>.</b> C
2.0mm FROM BODY		3 SEC. MAX

<sup>\*</sup> t<10µS

UNCONTROLLED DOCUMENT \*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 PRECI

REV. PART NUMBER SSI-LXR3816SOC-B15

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

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

DRAWN BY:

CHECKED BY: APPROVED BY: DATE:

8-8-00 PAGE: 1 OF 1 SCALE: N/A

SK