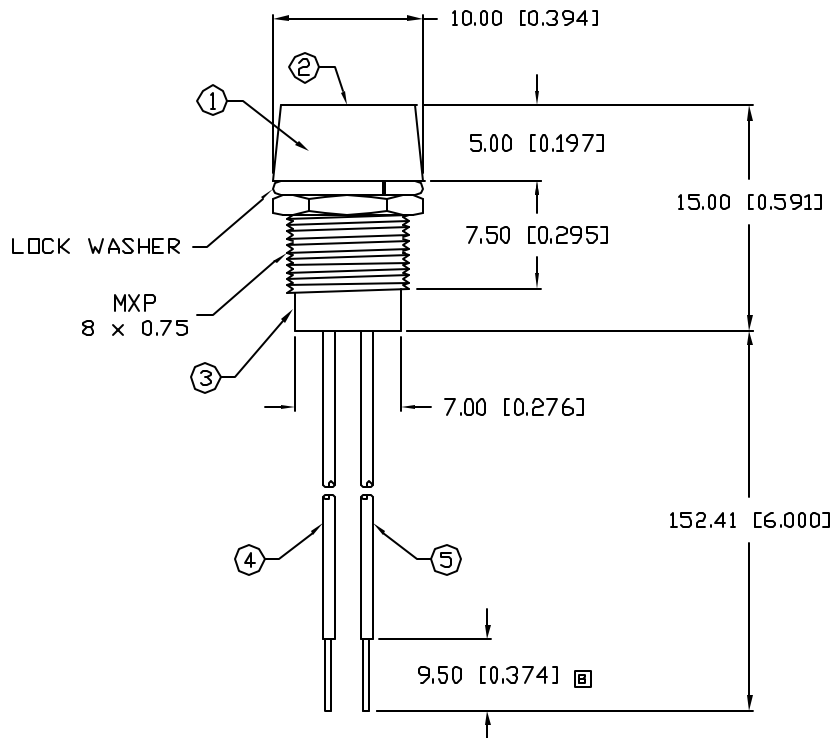


UNCONTROLLED DOCUMENT

PART NUMBER		REV.
SSI-LXR4815ID150(B)		C
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	UPDATED SPECS.	10.27.94
B	CORRECTED WIRE STRIP LENGTH.	11.17.94
C	E.C.N. #10674. #10BRDR.	10.30.00



NOTES:

1. SSI-LXR4815, CHROME HOUSING, OR IF "B" SUFFIX IN PART NO. USE SSI-LXR4815-B, BLACK ANODIZED HOUSING.
2. SSL-LX5063ID, CUT LEADS TO 5mm (NOT SHOWN).
3. SSH-LXH4815BSG, BLACK NYLON BUSHING (NOT SHOWN).
4. ANODE LEAD: LXP-WST24RDTGC, 24 AWG., RED INSULATION, CUT 160mm LONG, STRIP 2.0mm & 9.5mm.
5. CATHODE LEAD: LXP-WST24BLTGC, 24 AWG., BLACK INSULATION, CUT 160mm LONG, STRIP 2.0mm & 9.5mm.
6. CRIMP WIRE LEADS TO LED. THREAD WIRES THRU BUSHING AND INSERT LED AND BUSHING INTO HOUSING. CRIMP BUSHING INTO PLACE.

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		2.0	2.5	V _f	
REVERSE VOLTAGE	5.0			V _r	I _r =100μA
AXIAL INTENSITY		20		med	I _f =20mA
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	mW/°C
OPERATING, STORAGE TEMP.	-40 TO +85	°C
SOLDERING TEMP.	+260	°C
2.0mm FROM BODY		3 SEC. MAX
* t<10μS		

*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

UNCONTROLLED DOCUMENT

REV.	PART NUMBER
C	SSI-LXR4815ID150(B)
T-5mm (T-1 3/4) LED, METAL REFLECTOR PANEL INDICATOR, 635nm RED LED, RED DIFFUSED.	

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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

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GT			PAGE: 1 OF 1 SCALE: N/A