UNCONTROLLED DOCUMENT -ø8.00 [ø0.315] [0.118] - ø7.10 [ø0.280] 3.00 [0.236] 12.20 [0.480] 4 LIMITS OF SAFE OPERATION AT 25°C 6 x 0.75 \*t<10uS 2.00 NOTES: - ø5.00 [0.197] 1. SSI-LXR1612, CHROME HOUSING. 3. SOLDER WIRE LEADS TO LED LEADS. 4. SSH-LXH1612BSG, BUSHING. INSERT AND CRIMP. 5. ANODE LEAD: 26 AWG, STRANDED, RED INSULATION. CUT 157mm LONG, STRIP END 2mm & 9.5mm.

ø6.20 [ø0.244]-

PART NUMBER	SSI-LXR1612USBD150	REV.	Α	
DATE	E E.C.N. NUMBER AND REVISION COMMENTS			
07.14.11	07.14.11 E.C.N. #10BRDR. & REDRAWN.			

ELECTRO-OPTICAL CH	HARACTERISTICS Ta=25°C		If=20mA		
PARAMETER	MIN	TYP	MAX	UNITS	UNITS
PEAK WAVELENGTH		470		nm	
FORWARD VOLTAGE		3.5	4.0	Vf	
REVERSE VOLTAGE	5.0			Vr	lr=100μA
AXIAL INTENSITY		80		mcd	lf=20mA
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	BLUE				
EPOXY LENS FINISH:	BLUE DIFFUSED				

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	100	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	100	mW
DERATE FROM 25°C	-1.6	mW/*C
OPERATING TEMP.	-40 TO +85	·c
STORAGE TEMP.	-40 TO +85	·C
*1/10uS		

- 2. SSL-LX3054USBD, BLUE LED. TRIM LEADS TO 5mm.

- CATHODE LEAD: 26 AWG, STRANDED, BLACK INSULATION. CUT 157mm LONG, STRIP END 2mm & 9.5mm.

CAUTION: STATIC SENSITIVE DEVICE

FOLLOW PROPER E.S.D. HANDLING PROCEDURES WHEN WORKING WITH THIS PART.

[0.374]

9.50

\*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=  $^{+0.00}_{-0.00}$  MAX.=  $^{+0.00}_{-0.00}$ 

290 E. HELEN ROAD

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T-3mm (T-1) 470nm ULTRA PURE BLUE LED PANEL INDICATOR, BLUE DIFFUSED LENS, 6" WIRE LEADS.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

PCB PANEL CUTOUT

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UNCONTROLLED DOCUMENT DATE: 07.14.11 DRAWN BY: AΒ PAGE: 1 OF 1 CHKD BY: KF SCALE: NTS APRVD BY: SS

(Pb)

mm [INCH]

UNIT:

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