

PART NUMBER	SSI-LXR1612GD-150			REV.	E
DATE	E.C.N. NUMBER AND REVISION COMMENTS			REV.	
03.02.93	CHG'D NOTE SIX TO SPECIFY BLACK INSUL.			A	
09.19.94	UPDATED SAFE OPER. SPECS AND NOTES.			B	
05.22.95	UPDATED DWG. & NOTES.			C	
10.16.01	E.C.N. #10BRDR. & REDRAWN IN 3D.			D	
07.14.11	E.C.N. #10BRDR. & REDRAWN.			E	

ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^\circ C$ $If=20mA$					
PARAMETER	MIN	TYP	MAX	UNITS	UNITS
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		2.2	2.6	Vf	
REVERSE VOLTAGE		5.0		Vr	
AXIAL INTENSITY		30		mod	$Ir=100\mu A$
VIEWING ANGLE		60		2x theta	$If=20mA$
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN DIFFUSED				

**[B] LIMITS OF SAFE OPERATION AT  $25^\circ C$**

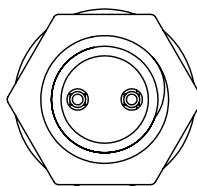
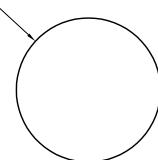
PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM $25^\circ C$	-1.6	mW/ $^\circ C$
OPERATING TEMP.	-40 TO +85	$^\circ C$
STORAGE TEMP.	-40 TO +85	$^\circ C$
SOLDERING TEMP.	+260	$^\circ C$
2.0mm FROM BODY	3	SEC. MAX.

\*  $t < 10\mu S$

**[C] [B] [A] NOTES:**

- SSI-LXR1612, CHROME HOUSING.
- SSI-LX3054GD, GREEN LED, TRIM LEADS TO 5mm.
- SOLDER WIRE LEADS TO LED LEADS.
- SSH-LXH1612BSC, BUSHING, INSERT AND CRIMP.
- ANODE LEAD: LXP-WST26RDTOC, 26 AWG, STRANDED, RED INSULATION. CUT 157mm LONG, STRIP END 2mm & 9.5mm.
- CATHODE LEAD: LXP-WST26BLTOC, 26 AWG, STRANDED, BLACK INSULATION. CUT 157mm LONG, STRIP END 2mm & 9.5mm.

PCB PANEL CUTOUT



\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE:  $X = \pm 1$  ( $\pm 0.039$ ),  $X.X = \pm 0.5$  ( $\pm 0.020$ ),  $X.XX = \pm 0.25$  ( $\pm 0.010$ ),  $X.XXX = \pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE =  $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH =  $\pm 0.75$  ( $\pm 0.030$ ). MIN =  $-\text{DECIMAL PRECISION}$  MAX =  $+\text{DECIMAL PRECISION}$

UNCONTROLLED DOCUMENT

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