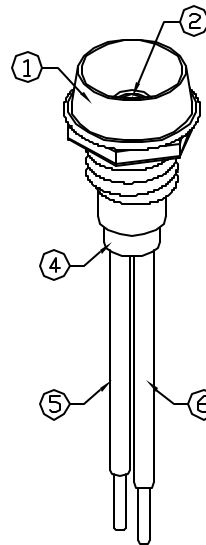
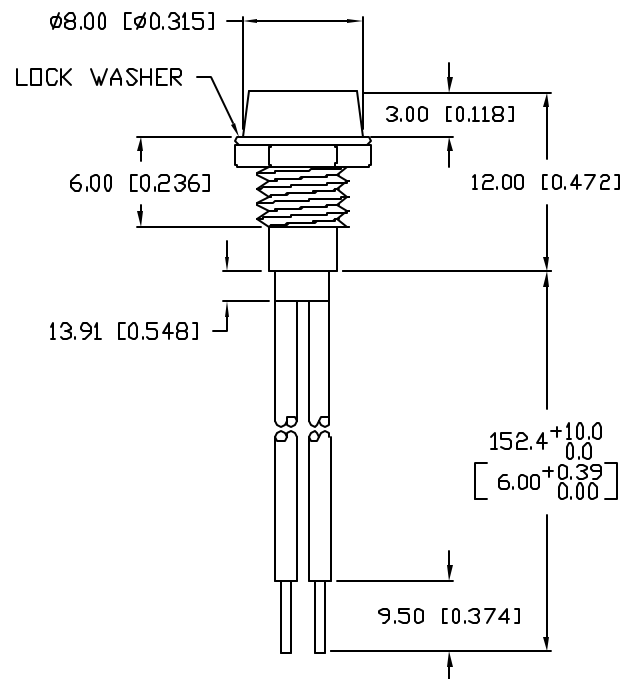


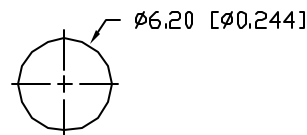
UNCONTROLLED DOCUMENT

PART NUMBER
SSI-LXR1612ID-150REV.
C

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	UPDATED SAFE OPER. SPECS AND NOTES.	9.19.94
B	UPDATED DWG. & NOTES.	5.22.95
C	E.C.N. #10BRDR. & REDRAWN IN 3D.	10.16.01



PANEL CUTOUT

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	$I_r=100\mu\text{A}$
AXIAL INTENSITY		30		med	$I_f=20\text{mA}$
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	-1.6	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$

* $t < 10\mu\text{s}$

NOTES:

- SSI-LXR1612, CHROME HOUSING.
- SSL-LX3054ID, RED LED. TRIM LEADS TO 5mm.
- SOLDER WIRE LEADS TO LED LEADS.
- SSH-LXH1612BSG, BUSHING. INSERT AND CRIMP.
- ANODE LEAD: 26 AWG, STRANDED, RED INSULATION. CUT 157mm LONG, STRIP END 2mm & 9.5mm.
- CATHODE LEAD: 26 AWG, STRANDED, BLACK INSULATION. CUT 157mm LONG, STRIP END 2mm & 9.5mm.

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*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}_{-0.00} MAX.=^{+0.00}_{-DECIMAL PRECISION}REV.
CPART NUMBER
SSI-LXR1612ID-150T-3mm (T-1) 635nm RED LED PANEL INDICATOR,
RED DIFFUSED LENS, 6" WIRE 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.



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DATE: 6.3.92

PAGE: 1 OF 1

SCALE: N/A