

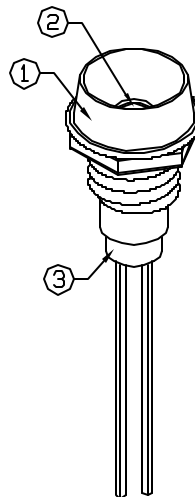
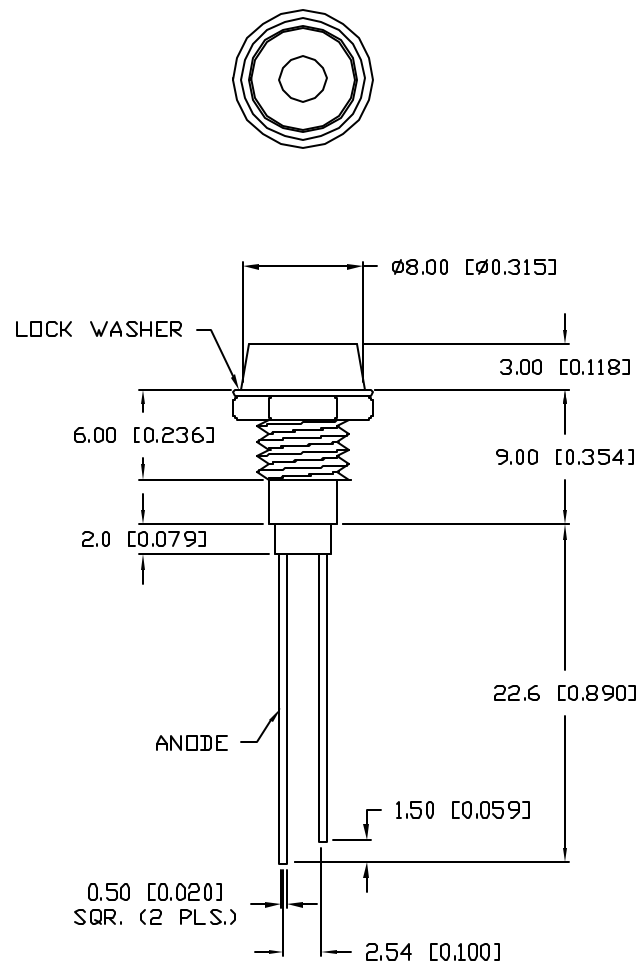
UNCONTROLLED DOCUMENT

PART NUMBER
SSI-LXR1612SRD

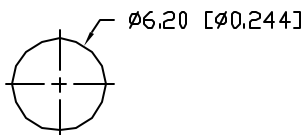
REV.

B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	UPDATED SAFE OPER. SPECS AND NOTES.	9.19.94
B	E.C.N. #10BRDR. & REDRAWN IN 3D.	10.23.01



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		660		nm	
FORWARD VOLTAGE		1.8	2.2	V_f	
REVERSE VOLTAGE	4.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		70		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	100	mW
DERATE FROM 25°C	-1.8	mW/ $^\circ\text{C}$
Ⓜ OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
Ⓜ SOLDERING TEMP.	+260	$^\circ\text{C}$
Ⓜ 2.0mm FROM BODY	3 SEC. MAX	

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

NOTES:

- SSI-LXR1612, CHROME HOUSING.
- SSL-LX3054SRD, RED LED.
- SSH-LXH1612BSG, BUSHING. INSERT AND CRIMP.

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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.=+0.00/-0.00, MAX.=+0.00/-0.00

REV.

B

PART NUMBER

SSI-LXR1612SRD

T-3mm (T-1) 660nm SUPER RED LED PANEL INDICATOR,
RED DIFFUSED LENS.

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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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