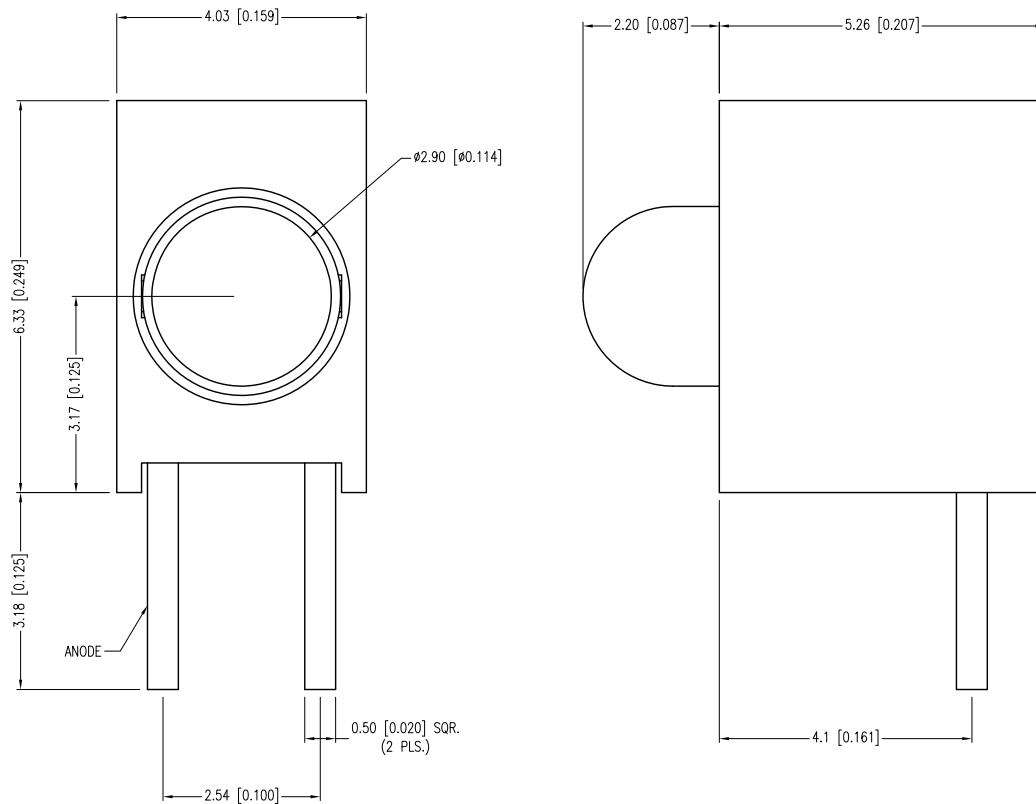




PART NUMBER	SSF-LXH303LID	REV.	F
DATE	E.C.N. NUMBER AND REVISION COMMENTS		REV.
12.06.93	REDRAWN.		A
12.16.93	REMOVED MAX FROM DIMS.		B
10.12.94	UPDATED SAFE OPER. SPECS.		C
09.02.98	E.C.N. #10BRDR. & REDRAWN.		D
10.30.00	E.C.N. #10675.		E
04.20.12	E.C.N. #10BRDR. & REDRAWN/#11816.		F

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	Vf	$I_f=100\mu\text{A}$
REVERSE VOLTAGE	5.0			Vr	$I_f=20\text{mA}$
AXIAL INTENSITY	1.0	30		mcd	$I_f=2\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED				
LENS FINISH:	RED DIFFUSED				

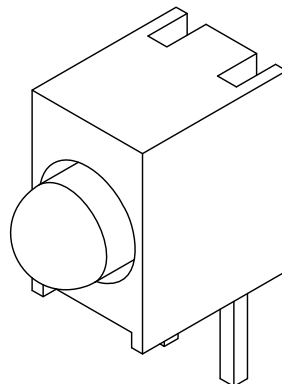
LIMITS OF SAFE OPERATION AT 25°C

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 TEMP.	-40 TO +85	$^{\circ}\text{C}$
STORAGE TEMP.	-40 TO +85	$^{\circ}\text{C}$
SOLDERING TEMP.	+260	$^{\circ}\text{C}$
2.0mm FROM BODY	3	SEC.

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

F E NOTES:

1. SSL-LX3044LID, LOW CURRENT RED LED.
2. SSH-LXH303, BLACK NYLON HOLDER, UL 94V-0.



*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.= $\begin{smallmatrix} \text{DECIMAL PRECISION} \\ -0.00 \end{smallmatrix}$ MAX.= $\begin{smallmatrix} \text{DECIMAL PRECISION} \\ +0.00 \end{smallmatrix}$

UNCONTROLLED DOCUMENT

T-3mm (T-1) LED FAULT INDICATOR, 635nm RED LED, RED DIFFUSED LENS, LOW CURRENT.

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

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