

PART NUMBER
SSF-LXH101GD(-01)

REV.
E

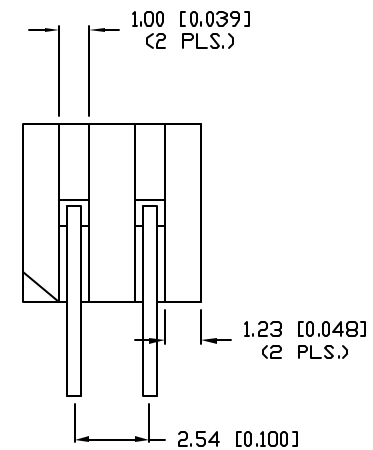
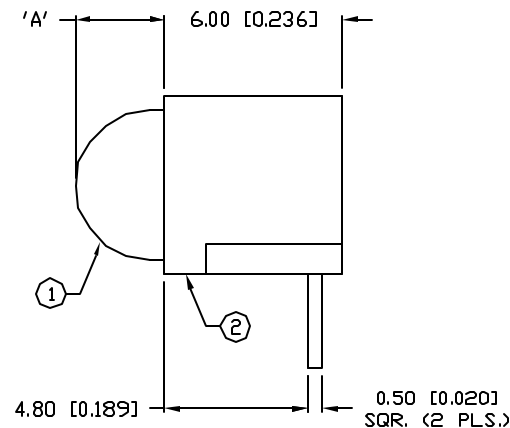
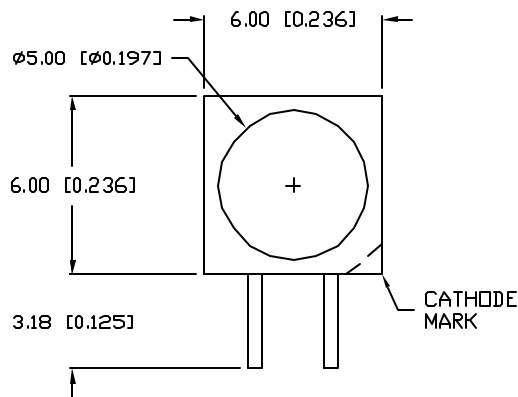
REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	CHG'D LEAD LENGTH./	10-19-93
B	REMOVED MIN. FROM LEAD LENGTH./	1-3-94
C	UPDATED SPECS./	9-18-95
D	E.C.N. #10BRDR & #10393./	10-28-97
E	E.C.N. #10457 & #10BRDR & REDRAWN./	8-27-98

NOTE:

1. NO P/N SUFFIX: SSL-LX507F3GD LED.
WITH (-01) SUFFIX: SSL-LX509F3GD LED.
2. SSH-LXH101 HOLDER. MATERIAL: BLACK
NYLON (66), UL 94V-0 RATING.

DIM 'A':

NO P/N SUFFIX: DIM 'A' = 3.0mm.
WITH (-01) SUFFIX: DIM 'A' = 4.5mm.



ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ $I_f=20\text{mA}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565 (GREEN)		nm	
FORWARD VOLTAGE		2.2	2.6	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		30		mod	$I_f=20\text{mA}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN DIFFUSED				

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	25	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.2	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	

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

*UNLESS OTHERWISE SPECIFIED TOLERANCE IS $\pm 0.25\text{mm}$ ($\pm 0.010"$)

REV. E PART NUMBER SSF-LXH101GD(-01)

T-5mm (T-1 3/4) LED FAULT INDICATOR,
565nm GREEN LED, GREEN 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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