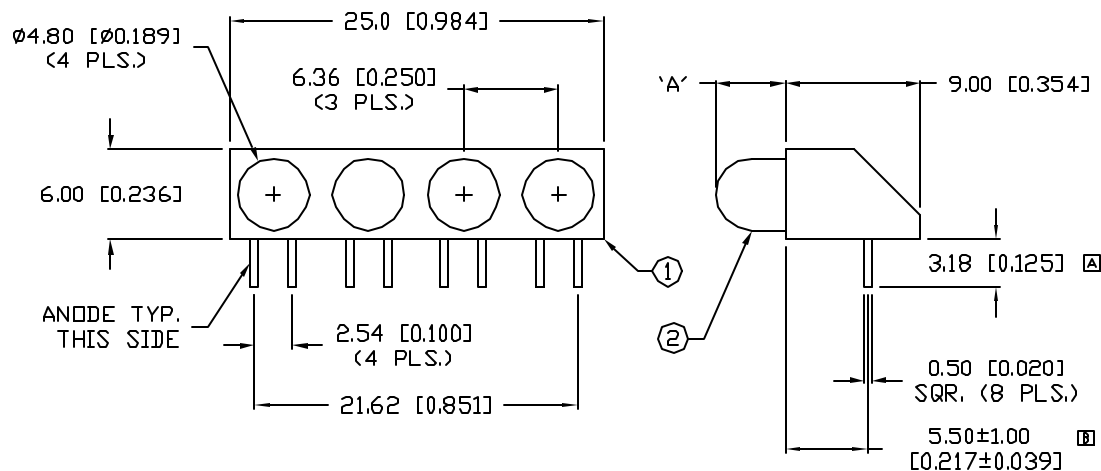


UNCONTROLLED DOCUMENT

PART NUMBER  
SSF-LXH400GD-5V(-1)

REV.  
D

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	CHG'D LEAD LENGTH AND DIM 'A'	11-3-93
B	E.C.N. #10303.	2-3-97
C	E.C.N. #10314.	2-27-97
D	E.C.N. #10622.	5-10-00



□ ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $V_f=5\text{ V}$

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		565		nm	
FORWARD VOLTAGE		5.0	7.0	$V_f$	
REVERSE VOLTAGE	5.0			$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY		20		mcd	$V_f=5\text{ V}$
VIEWING ANGLE		60		$2x$ theta	
EMITTED COLOR:	GREEN				
EPOXY LENS FINISH:	GREEN DIFFUSED				

□ LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	12	mA
POWER DISSIPATION	310	mW
DERATE FROM $25^\circ\text{C}$	-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

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

NOTES:

- SSH-LXH400 HOLDER, BLACK.
- NO SUFFIX: SSL-LX507F3GD-5V, GREEN LED. (4 PCS.)  
(-1) SUFFIX: SSL-LX509F3GD-5V, GREEN LED. (4 PCS.)
- PACKAGE PARTS IN ANTISTATIC TUBES.

□ DIM 'A'

WITH NO SUFFIX:  $2.50 \pm 0.50$  [ $0.126 \pm 0.020$ ]  
WITH -1 SUFFIX:  $4.70 \pm 0.50$  [ $0.187 \pm 0.020$ ]

\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X= $\pm 1$  ( $\pm 0.039$ ), XX= $\pm 0.5$  ( $\pm 0.020$ ), XXX= $\pm 0.25$  ( $\pm 0.010$ ), XXXX= $\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ), MIN= $\frac{+0.00}{-0.00}$  DECIMAL PRECISION MAX.= $\frac{+0.00}{-0.00}$  DECIMAL PRECISION

UNCONTROLLED DOCUMENT

REV. D PART NUMBER SSF-LXH400GD-5V(-1)

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T-5mm (T-1 3/4) 565nm GREEN LEDS, 4 POSITIONS,  
GREEN DIFFUSED LENS, 5 VOLT OPERATION.

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.

DRAWN BY: CW/BC	CHECKED BY:	APPROVED BY:	DATE: 7-6-93
			PAGE: 1 OF 1
			SCALE: N/A