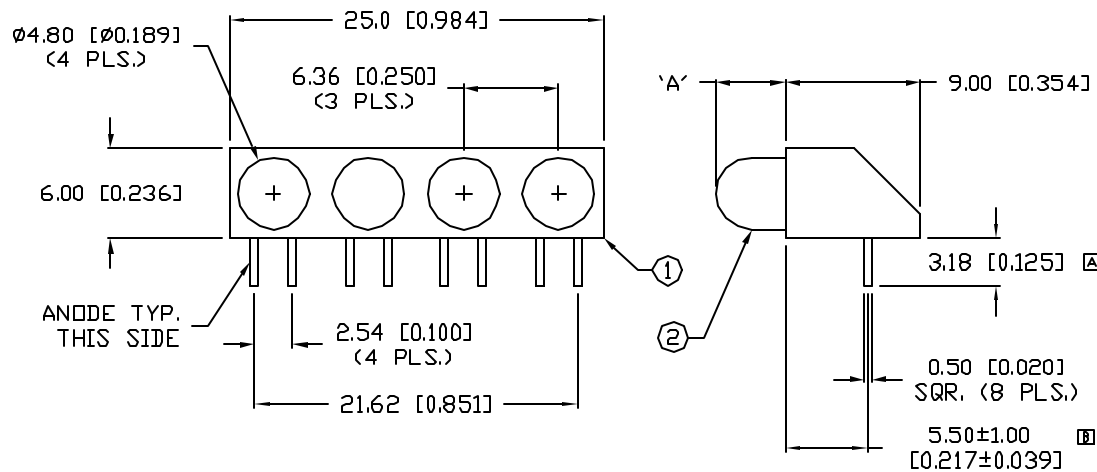


UNCONTROLLED DOCUMENT

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°C

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	12	mA
POWER DISSIPATION	310	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

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

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 ± 0.50 [0.126 ± 0.020]
WITH -1 SUFFIX: 4.70 ± 0.50 [0.187 ± 0.020]

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