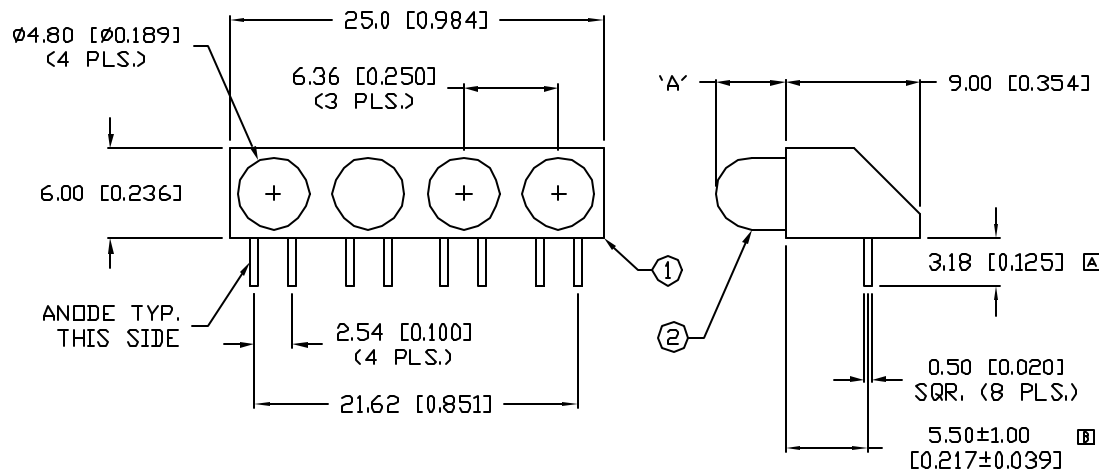


UNCONTROLLED DOCUMENT

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



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 $\pm$ 0.020]
WITH -1 SUFFIX: 4.70 ± 0.50 [0.187 $\pm$ 0.020]

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

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

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

REV.

D

PART NUMBER

SSF-LXH400GD-5V(-1)

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

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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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