

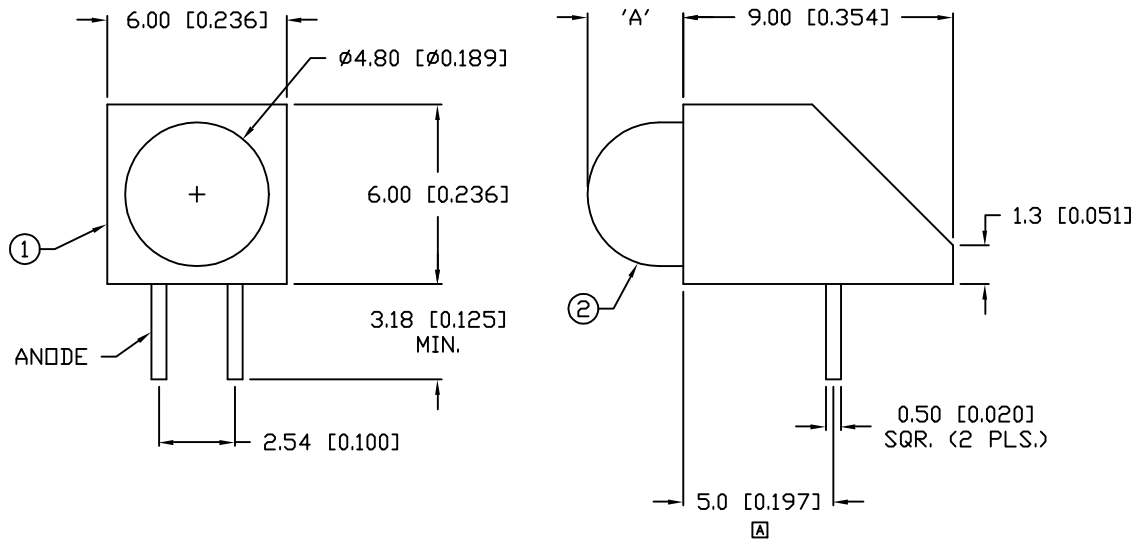
UNCONTROLLED DOCUMENT

PART NUMBER
SSF-LXH100ID-5V(-01)

REV.

B

REV.	E.C.N. NUMBER AND REVISION COMMENTS	DATE
A	E.C.N. #10301./	1-30-97
B	E.C.N. #10BRDR. & REDRAWN.	4-20-00



NOTES:

- SSH-LXH100 HOLDER, BLACK.
- NO P/N SUFFIX: SSL-LX507F3ID-5V LED,
WITH -01 SUFFIX: SSL-LX509F3ID-5V LED.

DIM 'A'

NO P/N SUFFIX: 3.2 [0.126]
WITH -01 SUFFIX: 4.7 [0.185].

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635		nm	
FORWARD VOLTAGE		5.0	7.0	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		30		md	$V_f=5\text{ V}$
VIEWING ANGLE		60		2x theta	
EMITTED COLOR:	RED				
EPOXY LENS FINISH:	RED 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

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

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

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*TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010). LEAD LENGTH=±0.75 (±0.030). MIN.= +DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION

REV.

B

PART NUMBER

SSF-LXH100ID-5V(-01)

T-5mm (T-1 3/4) LED, RIGHT ANGLE FAULT INDICATOR,
635nm RED LED, RED DIFFUSED, 5 VOLTS.

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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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