

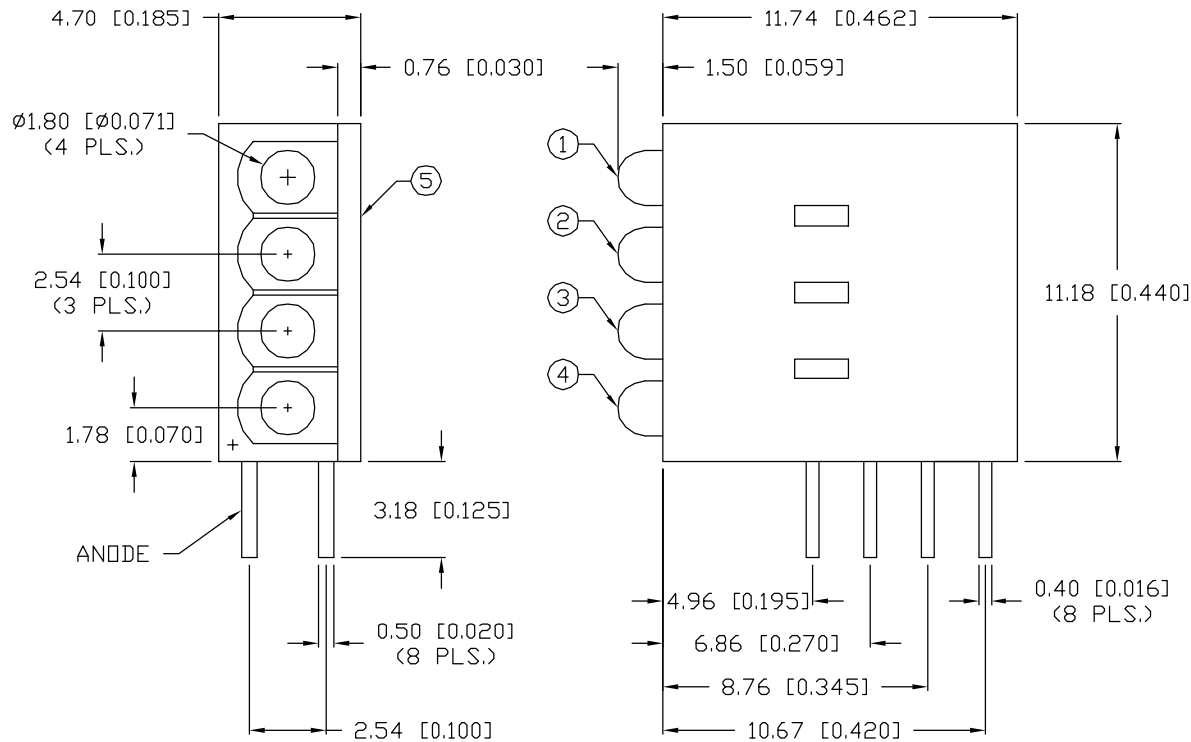
UNCONTROLLED DOCUMENT

PART NUMBER
SSF-LXH5147IIID

REV.

REV. E.C.N. NUMBER AND REVISION COMMENTS

DATE



NOTES:

1. SSL-LX20333ID, RED LED.
2. SSL-LX20333ID, RED LED.
3. SSL-LX20333ID, RED LED.
4. SSL-LX20333ID, RED LED.
5. SSH-LXH5147, BLACK HOLDER.

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

PARAMETER	MIN	TYP	MAX	UNITS	TEST COND
PEAK WAVELENGTH		635 (RED)		nm	
FORWARD VOLTAGE		2.0	2.5	V_f	
REVERSE VOLTAGE	5.0			V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY		20		mcd	$I_f=20\text{mA}$
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	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.6	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

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

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

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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.

LUMEX
INCORPORATED

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T-1.8mm LED, RIGHT ANGLE QUAD TOWER FAULT INDICATOR,
POS. 1-4: 635nm RED LEDS, RED DIFFUSED LENS.

DRAWN BY: CHECKED BY: APPROVED BY: DATE: 8-30-99

PAGE: 1 OF 1

SS/DU

SCALE: N/A