

DATE

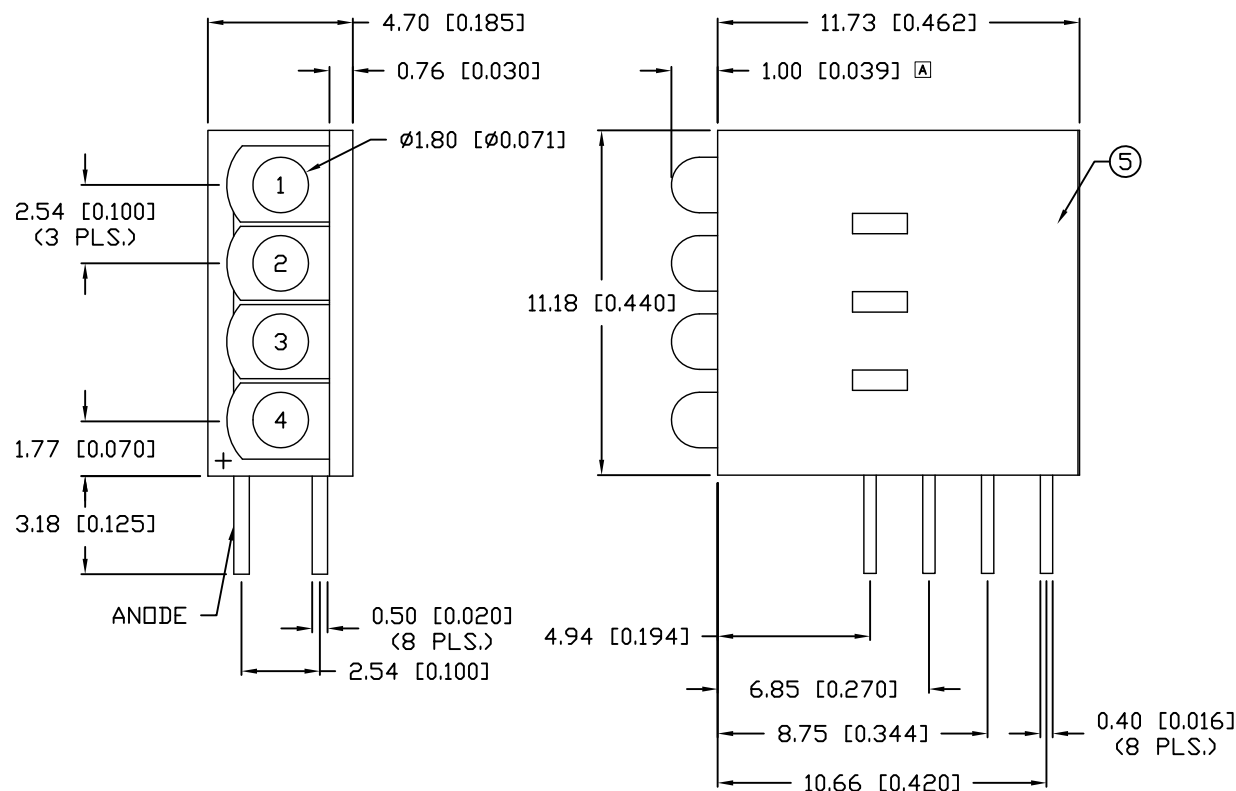
07.11.13

E.C.N. NUMBER AND REVISION COMMENTS

E.C.N. #11870.

REV.

A

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

PARAMETER	RED	YELLOW	GREEN	UNITS	TEST COND
PEAK WAVELENGTH	635	585	565	nm	
FORWARD VOLTAGE (TYP.)	2.0	2.1	2.2	V_f	
FORWARD VOLTAGE (MAX.)	2.5	2.5	2.6	V_f	
REVERSE VOLTAGE	5.0	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	20	15	15	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	70	70	70	2x theta	
LED POSITION:	1,4	2	3		
EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR					

LIMITS OF SAFE OPERATION AT 25°C

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/Y/G)	30/30/25	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	

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

B.O.M.:

1. SSL-LX20333ID LED.
2. SSL-LX20333YD LED.
3. SSL-LX20333GD LED.
4. SSL-LX20333ID LED.
5. SSH-LXH5147 HOLDER, BLACK.

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

REV.

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PART NUMBER

SSF-LXH5147IYGID

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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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INCORPORATED

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T-1.8mm LED, RIGHT ANGLE QUAD TOWER FAULT INDICATOR,
RED/YELLOW/GREEN/RED DIFFUSED.

DRAWN BY:

SK

CHECKED BY:

DT

APPROVED BY:

DT

DATE: 4-28-00

PAGE: 1 OF 1

SCALE: N/A