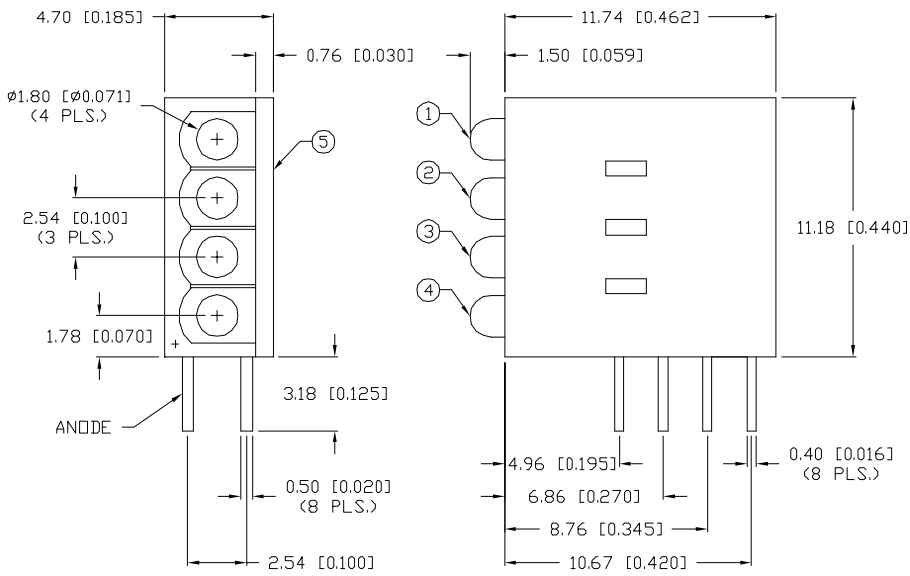


UNCONTROLLED DOCUMENT

PART NUMBER  
SSF-LXH5147IYGSBD

REV.



NOTES:

1. SSL-LX20333D, RED LED.
2. SSL-LX20333YD, YELLOW LED.
3. SSL-LX20333GD, GREEN LED.
4. SSL-LX20333SBD, SUPER BLUE LED.
5. SSH-LXH5147, BLACK HOLDER.

ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^{\circ}\text{C}$ $I_f=20\text{mA}$						
PARAMETER	RED	YELLOW	GREEN	BLUE	UNITS	TEST COND
PEAK WAVELENGTH	635	585	565	430	nm	
FORWARD VOLTAGE (TYP.)	2.0	2.1	2.2	4.5	$V_f$	
FORWARD VOLTAGE (MAX.)	2.5	2.5	2.6	5.5	$V_f$	
REVERSE VOLTAGE	5.0	5.0	5.0	5.0	$V_r$	$I_f=100\mu\text{A}$
AXIAL INTENSITY	30	30	30	30	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	60	60	60	60	$2x$ theta	
LED POSITION:	1	2	3	4		
EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR						

LIMITS OF SAFE OPERATION AT $25^{\circ}\text{C}$			
PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/Y/G/B)	30/30/25/30	mA
POWER DISSIPATION		105	mW
DERATE FROM $25^{\circ}\text{C}$		-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

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

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

\*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

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REV.	PART NUMBER SSF-LXH5147IYGSBD	CONFIDENTIAL INFORMATION THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES.	<b>LUMEX</b> INCORPORATED	290 E. HELLEN ROAD PALATINE, ILLINOIS 60067 PHONE: (847) 359-2790 WEB: <a href="http://www.lumex.com">http://www.lumex.com</a>
T-1.8mm LED, RIGHT ANGLE QUAD TOWER FAULT INDICATOR, POS. 1: RED LED, POS. 2: YELLOW LED, POS. 3: GREEN LED, POS. 4: SUPER BLUE LED, DIFFUSED PER EMITTED COLOR.	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: BC	CHECKED BY:	APPROVED BY:
				DATE: 2-8-00 PAGE: 1 OF 1 SCALE: N/A