



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  $25^{\circ}\text{C}$

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/Y/G)	30/30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM $25^{\circ}\text{C}$		-1.6	$\text{mW}/^{\circ}\text{C}$
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.=<sup>+</sup>DECIMAL PRECISION MAX.=<sup>-</sup>DECIMAL PRECISION

REV.

PART NUMBER  
SSF-LXH5147IYGID

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

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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