



NOTES:

1. SSL-LX20333ID LED, RED (2 PC).
2. SSL-LX20333AD LED, AMBER(1 PC).
3. SSL-LX20333GD LED, GREEN (1 PC).
4. SSH-LXH5147 HOLDER, BLACK.

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

PARAMETER	RED	AMBER	GREEN	UNITS	TEST COND
PEAK WAVELENGTH	635	605	565	nm	
FORWARD VOLTAGE (TYP.)	2.0	2.1	2.2	nm	
FORWARD VOLTAGE (MAX.)	2.5	2.5	2.8	V <sub>f</sub>	
REVERSE VOLTAGE	5.0	5.0	5.0	V <sub>r</sub>	I <sub>r</sub> =100μA
AXIAL INTENSITY	30	30	30	mcad	I <sub>f</sub> =20mA
VIEWING ANGLE	60	60	60	2x theta	
LED POSITION:	1,2	3	4		
EPOXY LENS FINISH: SAME COLOR DIFFUSED					

LIMITS OF SAFE OPERATION AT 25°C PERCHIP

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	R/A/G	30/30/25	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.6	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°C
2.0MMFROMBODY			3 SEC. MAX

\*I<sub>c</sub><10μS



\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.038), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±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.

PART NUMBER

SSF-LXH5147IAGD

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T-1.8mm LED, RIGHT ANGLE QUAD TOWER, FAULT INDICATOR,  
RED, AMBER, GREEN LEDS, DIFFUSED PER 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:

jc

CHECKED BY:

APPROVED BY:

DATE: 10.31.06

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SCALE: N/A