

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

PARAMETER	RED	GREEN	ORANGE	UNITS	TEST COND
PEAK WAVELENGTH	635	565	610	nm	
FORWARD VOLTAGE (TYP.)	2.0	2.2	2.0	$V_f$	
FORWARD VOLTAGE (MAX.)	2.5	2.6	2.5	$V_f$	
REVERSE VOLTAGE	5.0	5.0	5.0	$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY	40	40	800	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	60	60	60	2x theta	
LED POSITION:	1	2	3		
EPOXY LENS FINISH: COLOR DIFFUSED PER POSITION					

LIMITS OF SAFE OPERATION AT  $25^{\circ}\text{C}$  PER DIE

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(R/G/O)	30/25/30	mA
POWER DISSIPATION		105	mW
DERATE FROM $25^{\circ}\text{C}$		-1.2	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

\*  $I_t < 10\mu\text{S}$ 

## NOTES:

1. SSL-LX3044ID RED LED.
2. SSL-LX3044SGD GREEN LED.
3. SSL-LX3044SOD ORANGE LED.
4. SSH-LXH340 HOLDER BLACK NYLON, 94V-0.

\*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.

PART NUMBER

SSF-LXH340ISGSOD

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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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T-3mm (T-1) RIGHT ANGLE FAULT INDICATOR HOLDER,  
POS.1: 635nm RED, POS.2: 565nm GREEN,  
POS.3: 610 AlInGaP ORANGE, COLOR DIFFUSED.

DRAWN BY:

BC

CHECKED BY:

APPROVED BY:

DATE: 1.21.04

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SCALE: N/A

# Mouser Electronics

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