

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

PARAMETER	GREEN	RED	YELLOW	UNITS	TEST COND
PEAK WAVELENGTH	565	635	585	nm	
FORWARD VOLTAGE (TYP.)	2.2	2.0	2.1	V_f	
FORWARD VOLTAGE (MAX.)	2.6	2.5	2.5	V_f	
REVERSE VOLTAGE	5.0	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	20	20	20	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	60	60	60	2x theta	
LED POSITION:	1~3	1	2~3		
EPOXY LENS FINISH:	SEE NOTES.				

LIMITS OF SAFE OPERATION AT 25°C PER LED

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(G/R/Y)	25/30/30	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.8	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

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

NOTES:

- SSL-LX3044GIW, BICOLOR GREEN/RED LED.
- SSL-LX3044GYW, BICOLOR GREEN/YELLOW LED, (2 PCS)
- SSH-LXH340 HOLDER, BLACK NYLON, 94V-0.

Pb

*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), 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=+0.00 PRECISION MAX.=+0.00 PRECISION

REV.

PART NUMBER

SSF-LXH340GIGYGYW

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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:GREEN/RED, POS.2,3: GREEN/YELLOW

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 11.21.06

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SCALE: N/A

JC

Mouser Electronics

Authorized Distributor

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