



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	30	30	20	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	60	60	60	2x theta	
LED POSITION:	1	2	2		
EPOXY LENS FINISH: POS.1: GREEN DIFFUSED, POS.2: MILKY WHITE DIFFUSED					

LIMITS OF SAFE OPERATION AT 25°C

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

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

NOTES:

1. SSL-LX3054GD, GREEN LED.
2. SSL-LX3054IYW, RED/YELLOW LED.
3. SSH-LXH2103 HOLDER.

PIN-OUT

- A. RED ANODE
- B. YELLOW ANODE
- C. GREEN ANODE
- D. GREEN CATHODE

*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-LXH2103GDIYW/4

T-3mm (T-1) LED, PIGGY-BACK HOLDER,
TOP: GREEN DIFFUSED, BOT: RED/YELLOW BICOLOR LED,
MILKY WHITE DIFFUSED LENS ON BOTTOM.

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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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