

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

PARAMETER	YELLOW	RED	UNITS	TEST COND
PEAK WAVELENGTH	585	635	nm	
FORWARD VOLTAGE (TYP.)	2.1	2.0	V_f	
FORWARD VOLTAGE (MAX.)	2.5	2.5	V_f	
REVERSE VOLTAGE	5.0	5.0	V_r	$I_f=100\mu\text{A}$
AXIAL INTENSITY	30	40	mod	$I_f=20\text{mA}$
VIEWING ANGLE	60	60	2σ theta	
LED POSITION	1	2x3		
EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR				

LIMITS OF SAFE OPERATION AT 25°C PER DIE

PARAMETER	MAX	UNITS
PEAK FORWARD CURRENT*	150	mA
STEADY CURRENT	30	mA
POWER DISSIPATION	105	mW
DERATE FROM 25°C	-1.6	mW/ $^\circ\text{C}$
OPERATING, STORAGE TEMP.	-40 TO +85	$^\circ\text{C}$
SOLDERING TEMP.	+260	$^\circ\text{C}$
2.0mm FROM BODY	5 SEC. MAX	

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

NOTES:

1. SSL-LX304410, YELLOW LED.
2. SSL-LX304410, RED LED. (2 PLS.)
3. SSF-LXH340 HOLDER, BLACK NYLON, 94V-0.

UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: ± 0.1 (0.004), ± 0.25 (0.010), ± 0.5 (0.020), ± 1.0 (0.040), ± 1.27 (0.050), LEAD SIZE=0.05 (0.002), LEAD LENGTH=0.71 (0.028), MIN.=0.00, MAX.=0.00

REV.

PART NUMBER
SSF-LXH340YIID

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QUALITY 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.



290 E. HELEN ROAD
PALATINE, IL 60067-6876
PHONE: +1.847.359.2790
US WEB: www.lumex.com
TW WEB: www.lumex.com.tw

T-3mm (T-1) RIGHT ANGLE FAULT INDICATOR HOLDER,
POS. 1: 585nm YELLOW, POS.2,3: 635nm HIGH INTENSITY RED,
COLOR DIFFUSED PER POSITION.

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 10.9.01

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SCALE: N/A

CT

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