



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

PARAMETER	GREEN	YELLOW	UNITS	TEST COND
PEAK WAVELENGTH	565	585	nm	
FORWARD VOLTAGE (TYP.)	2.2	2.1	V_f	
FORWARD VOLTAGE (MAX.)	2.6	2.5	V_f	
REVERSE VOLTAGE	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	20	30	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	60	60	$2x$ theta	
LED POSITION:	1,2	3,4		
EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR				

LIMITS OF SAFE OPERATION AT 25°C PER LED

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	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

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

*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.= $^{+0.00}$ _{-0.00} MAX.= $^{+0.00}$ _{-0.00} DECIMAL PRECISION

REV.

PART NUMBER

SSF-LXH475GGYYD

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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) FOUR UNIT FAULT INDICATOR,
POS.1~2: 565nm GREEN, POS.3~4: 585nm YELLOW,
COLOR DIFFUSED LENS.

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 8.20.03

BC

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SCALE: N/A