



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

PARAMETER	BLUE	GREEN	YELLOW	RED	UNITS	TEST COND
PEAK WAVELENGTH	430	565	585	635	nm	
FORWARD VOLTAGE (TYP.)	4.5	2.2	2.1	2.0	$V_f$	
FORWARD VOLTAGE (MAX.)	5.5	2.6	2.5	2.5	$V_f$	
REVERSE VOLTAGE (TYP.)	5.0	5.0	5.0	5.0	$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY (TYP.)	30	30	30	30	mcd	$I_f=20\text{mA}$
AXIAL INTENSITY (MIN.)	1.0	1.0	1.0	1.0	mcd	$I_f=2\text{mA}$
VIEWING ANGLE	60	60	60	60	2x theta	
LED POSITION:	1	2	3	4		
EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR						

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

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(B/G/Y/R)	90/25/30/30	mA
POWER DISSIPATION	(B/G/Y/R)	100/105/105/105	mW
DERATE FROM $25^{\circ}\text{C}$		-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

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

\*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 LENGTH=±0.75 (±0.030). MIN.= +DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION

REV.

PART NUMBER

SSF-LXH475LSBGYID

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T-3mm (T-1) FOUR UNIT FAULT INDICATOR,  
POS.1: BLUE LED, POS.2: GREEN LED, POS.3: YELLOW LED,  
POS.4: RED LED, DIFFUSED PER COLOR, LOW CURRENT.

**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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