



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

PARAMETER	RED	AMBER	UNITS	TEST COND
PEAK WAVELENGTH	635	610	nm	
FORWARD VOLTAGE (TYP.)	2.0	2.0	V <sub>f</sub>	
FORWARD VOLTAGE (MAX.)	2.5	2.5	V <sub>f</sub>	
REVERSE VOLTAGE	5.0	5.0	V <sub>r</sub>	$I_r=100\mu\text{A}$
AXIAL INTENSITY	40	40	mcd	$I_f=20\text{mA}$
VIEWING ANGLE	60	60	2x theta	
LED POSITION:	1~3	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		30	mA
POWER DISSIPATION		105	mW
DERATE FROM 25°C		-1.6	mW/°C
OPERATING, STORAGE TEMP.		-40 TO +85	°C
SOLDERING TEMP.		+260	°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.= +DECIMAL PRECISION -0.00 MAX.= +0.00 -DECIMAL PRECISION

REV.

PART NUMBER

SSF-LXH475IIAD

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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. 1~3: 635nm RED LEDS, POS. 4: AMBER LED,  
COLOR DIFFUSED LENS.

DRAWN BY:

CHECKED BY:

APPROVED BY:

DATE: 1.24.02

CT

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SCALE: N/A