



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	5.0	5.0	5.0	5.0	V_r	$I_r=100\mu\text{A}$
AXIAL INTENSITY	30	30	30	30	mcd	$I_f=20\text{mA}$
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°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°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

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

CAUTION: STATIC SENSITIVE DEVICE
FOLLOW PROPER E.S.D. HANDLING PROCEDURES
WHEN WORKING WITH THIS PART.

*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 -0.00 MAX.=+0.00 -DECIMAL PRECISION

REV.	PART NUMBER SSF-LXH475SBGYID
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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.

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.

DRAWN BY: KS/BC	CHECKED BY:	APPROVED BY:	DATE: 3-17-00
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			SCALE: N/A