

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

PARAMETER	RED	BLUE	GREEN	YELLOW	UNITS	TEST COND
PEAK WAVELENGTH	635	430	565	585	nm	
FORWARD VOLTAGE (TYP.)	2.0	4.5	2.2	2.1	$V_f$	
FORWARD VOLTAGE (MAX.)	2.5	5.5	2.6	2.5	$V_f$	
REVERSE VOLTAGE	5.0	5.0	5.0	5.0	$V_r$	$I_r=100\mu\text{A}$
AXIAL INTENSITY	20	20	10	10	md	$I_f=20\text{mA}$
VIEWING ANGLE	100	100	100	100	2x theta	
LED POSITION:	1	2	3	4		
EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR						

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

PARAMETER	COLORS	MAX	UNITS
PEAK FORWARD CURRENT*		150	mA
STEADY CURRENT	(I/B/G/Y)	30/25/25/30	mA
POWER DISSIPATION		105	mW
DERATE FROM $25^\circ\text{C}$		-1.2	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.=+0.00 PRECISION -0.00, MAX.=+0.00 PRECISION -0.00

REV.

PART NUMBER

SSF-LXH534ISBGYD

2mm x 3mm QUAD LEVEL TOWER FAULT INDICATOR,  
RED/BLUE/GREEN/YELLOW LEDS, COLOR DIFFUSED.

## CONFIDENTIAL INFORMATION

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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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