



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

| PARAMETER | RED | GREEN | UNITS | TEST COND |
|------------------------|--------------------------------|-------|----------|----------------------|
| PEAK WAVELENGTH | 635 | 565 | nm | |
| FORWARD VOLTAGE (TYP.) | 2.0 | 2.2 | 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 | 10 | mcd | $I_f=20\text{mA}$ |
| VIEWING ANGLE | 100 | 100 | 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 | (I/G) | 30/25 | mA |
| POWER DISSIPATION | | 105 | mW |
| DERATE FROM 25°C | | -1.2 | mW/°C |
| OPERATING, STORAGE TEMP. | | -40 TO +85 | °C |
| SOLDERING TEMP. | | +260 | °C |
| 2.0mm FROM BODY | | | 3 SEC. MAX |

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

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 MAX.=+0.00 -DECIMAL PRECISION

| | |
|------|--------------------------------|
| REV. | PART NUMBER SSF-LXH534IGGGD |
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2mm x 3mm QUAD LEVEL TOWER FAULT INDICATOR,
RED/GREEN/GREEN/GREEN LEDS, COLOR DIFFUSED.

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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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| | | | SCALE: N/A |