

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

| PARAMETER | GREEN | ORANGE | YELLOW | RED | UNITS | TEST COND |
|---|-------|--------|--------|-----|----------|----------------------|
| PEAK WAVELENGTH | 574 | 610 | 590 | 636 | nm | |
| FORWARD VOLTAGE (TYP.) | 2.2 | 2.1 | 2.1 | 2.0 | V_f | |
| FORWARD VOLTAGE (MAX.) | 2.6 | 2.5 | 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 | 300 | 70 | 150 | mcd | $I_f=20\text{mA}$ |
| 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°C PER LED

| PARAMETER | COLORS | MAX | UNITS |
|--------------------------------|-----------|-------------|----------------------|
| PEAK FORWARD CURRENT* | | 150 | mA |
| STEADY CURRENT | (G/O/Y/R) | 25/30/30/30 | mA |
| POWER DISSIPATION | | 105 | mW |
| DERATE FROM 25°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 |

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

*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-LXH534SUSOSYSI

2mm x 3mm QUAD LEVEL TOWER FAULT INDICATOR,
POS.1: GREEN, POS.2: ORANGE, POS.3: YELLOW, POS.4: RED,
COLOR DIFFUSED PER POSITION.

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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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DATE: 3.19.02

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