



PANEL CUTOUT: 8.05mm.  
PANEL THICKNESS: 0.6-2.6mm

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

| PARAMETER             | MIN                  | TYP          | MAX | UNITS    | TEST COND            |
|-----------------------|----------------------|--------------|-----|----------|----------------------|
| PEAK WAVELENGTH       |                      | 585 (YELLOW) |     | nm       |                      |
|                       |                      | 565 (GREEN)  |     | nm       |                      |
| FORWARD VOLTAGE       |                      | 2.1          | 2.5 | $V_f$    |                      |
| REVERSE VOLTAGE       | 5.0                  |              |     | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY (Y/G) |                      | 50/40        |     | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE         |                      | 60           |     | 2x theta |                      |
| EMITTED COLOR:        | YELLOW/GREEN         |              |     |          |                      |
| EPOXY LENS FINISH:    | MILKY WHITE DIFFUSED |              |     |          |                      |

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

| PARAMETER                | COLORS | MAX        | UNITS      |
|--------------------------|--------|------------|------------|
| PEAK FORWARD CURRENT*    |        | 150        | mA         |
| STEADY CURRENT           | (Y/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 |

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

NOTES:

1. SSL-LX5099YCW, YELLOW/GREEN BICOLOR LED.
2. SSH-RTF5020 HOLDER.

CAUTION: PRESSURE SENSITIVE ASSEMBLY  
APPLY PRESSURE TO HOLDER ONLY,  
WHEN INSERTING INTO PANEL.

\*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= <sup>+0.00</sup> <sub>-0.00</sub> DECIMAL PRECISION MAX= <sup>+0.00</sup> <sub>-0.00</sub> DECIMAL PRECISION

REV.

PART NUMBER

SSI-LXR5020YGW-3

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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-5mm (T-1 3/4) LED INDICATOR,  
585nm YELLOW/565nm GREEN BICOLOR LED,  
MILKY WHITE DIFFUSED LENS, 3 LEADED LED.

DRAWN BY:

GT

CHECKED BY:

APPROVED BY:

DATE: 8.16.01

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SCALE: N/A