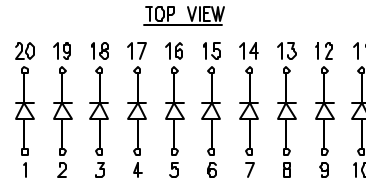
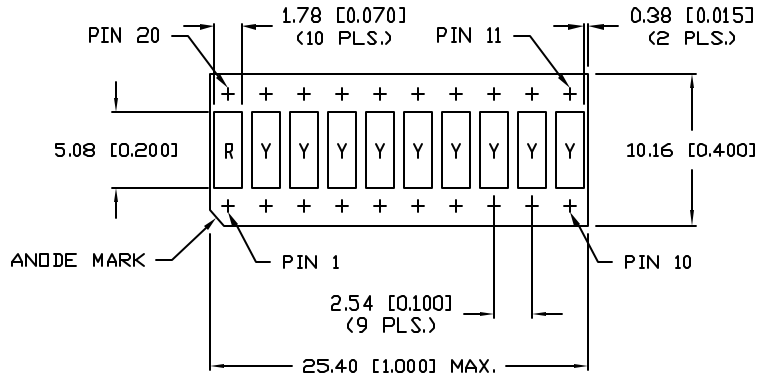


UNCONTROLLED DOCUMENT

PART NUMBER
SSA-LXB1011Y9W

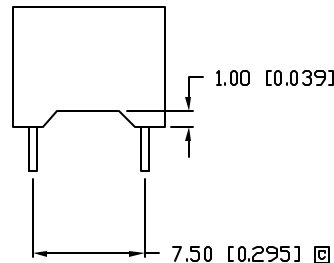
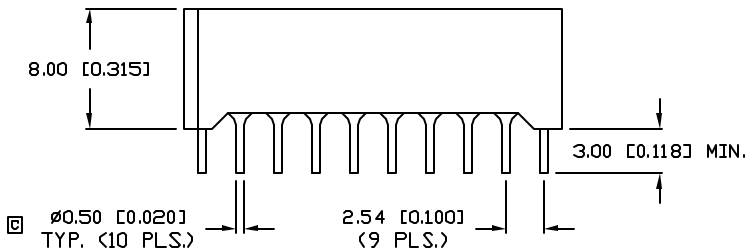
REV.
D

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|------|-------------------------------------|---------|
| A | CHANGED SOLDER SPECS. | 8.15.94 |
| B | REDRAWN AND LETTERED LED POSITIONS. | 8.23.94 |
| C | E.C.N. #10477 & #10BRDR. & REDRAWN | 5.12.99 |
| D | E.C.N. #11148 | 5.23.07 |



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

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|-----------------------|-----|----------------------|---------|----------|----------------------|
| PEAK WAVELENGTH | | 635 (RED) | | nm | |
| | | 585 (YELLOW) | | nm | |
| FORWARD VOLTAGE (G/R) | | 2.0/2.1 | 2.5/2.5 | V_f | |
| REVERSE VOLTAGE | 5.0 | | | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | | 8 | | mcd | $I_f=20\text{mA}$ |
| VIEWING ANGLE | | 160 | | 2x theta | |
| EMITTED COLOR: | | RED/YELLOW | | | |
| EPOXY LENS FINISH: | | MILKY WHITE DIFFUSED | | | |
| FACE COLOR: | | BLACK | | | |



LIMITS OF SAFE OPERATION AT 25°C PER CHIP

| PARAMETER | COLORS | MAX | UNITS |
|--------------------------|--------|------------|------------|
| PEAK FORWARD CURRENT* | | 150 | mA |
| STEADY CURRENT | | 30 | mA |
| POWER DISSIPATION | | 105 | mW |
| DERATE FROM 25°C | | -1.6 | mW/°C |
| OPERATING, STORAGE TEMP. | | -40 TO +85 | °C |
| SOLDERING TEMP. | | +260 | °C |
| 2.0mm FROM BODY | | | 3 SEC. MAX |

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



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*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE: X=±1 (±0.039), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±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 |
|------|----------------|
| D | SSA-LXB1011Y9W |

10 SEGMENT BAR GRAPH, RED/YELLO COMBINATION,
BLACK FACE WITH MILKY WHITE DIFFUSED EPOXY.

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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.

| | | | |
|-----------|-------------|---|--------------|
| | | 290 E. HELEN ROAD PALATINE, IL 60067-6976 PHONE: +1.847.359.2790 US WEB: www.lumex.com TW WEB: www.lumex.com.tw | |
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