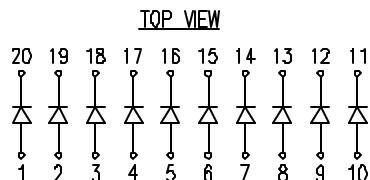
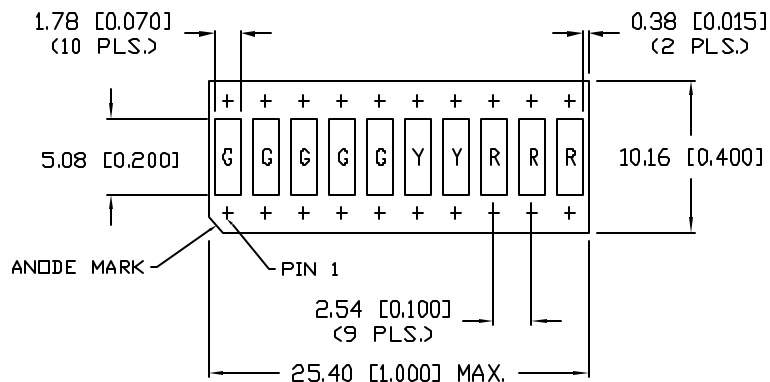


UNCONTROLLED DOCUMENT

PART NUMBER  
SSA-LXB10G5Y2I3W

REV.  
A

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE    |
|------|-------------------------------------|---------|
| A    | E.C.N. #11148                       | 5.23.07 |



NOTES:

1. R=RED, Y=YELLOW AND G=GREEN.

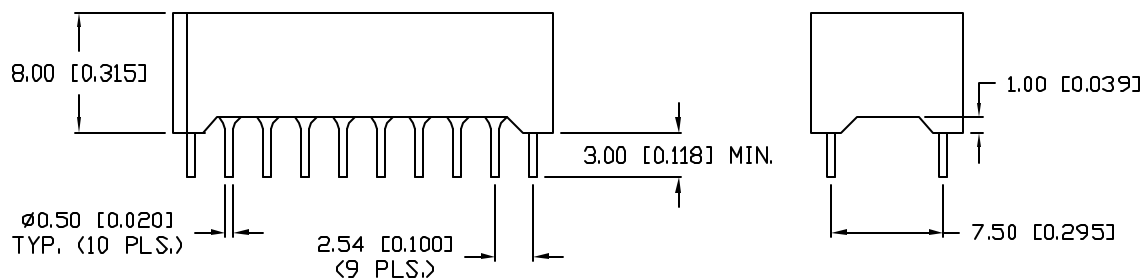
ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=20\text{mA}$

| PARAMETER              | GREEN                | YELLOW | RED  | UNITS      | TEST COND            |
|------------------------|----------------------|--------|------|------------|----------------------|
| PEAK WAVELENGTH        | 565                  | 585    | 635  | nm         |                      |
| FORWARD VOLTAGE (TYP.) | 2.2                  | 2.1    | 2.0  | nm         |                      |
| FORWARD VOLTAGE (MAX.) | 2.6                  | 2.5    | 2.5  | $V_f$      |                      |
| REVERSE VOLTAGE        | 5.0                  | 5.0    | 5.0  | $V_r$      | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY        | 8                    | 8      | 8    | med        | $I_f=20\text{mA}$    |
| VIEWING ANGLE          | 160                  | 160    | 160  | $2x$ theta |                      |
| LED POSITION:          | 1~5                  | 6,7    | 8~10 |            |                      |
| EPOXY LENS FINISH:     | MILKY WHITE DIFFUSED |        |      |            |                      |
| FACE COLOR:            | GRAY                 |        |      |            |                      |

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

| PARAMETER                      | COLORS  | MAX        | UNITS                |
|--------------------------------|---------|------------|----------------------|
| PEAK FORWARD CURRENT*          |         | 150        | mA                   |
| STEADY CURRENT                 | (G/Y/R) | 25/30/30   | 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           |

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



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

REV. A PART NUMBER SSA-LXB10G5Y2I3W

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

10 UNIT LED ARRAY, GREEN/YELLOW/RED COMBINATION,  
GRAY FACE WITH MILKY WHITE DIFFUSED EPOXY.

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.

DRAWN BY: JUN CHECKED BY: APPROVED BY: DATE: 5.12.99  
PAGE: 1 OF 1  
SCALE: N/A



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