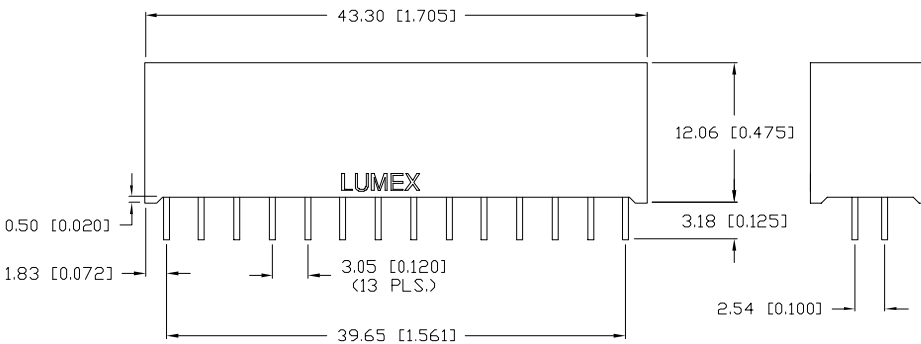
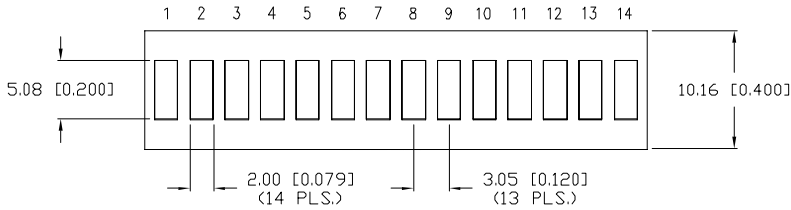
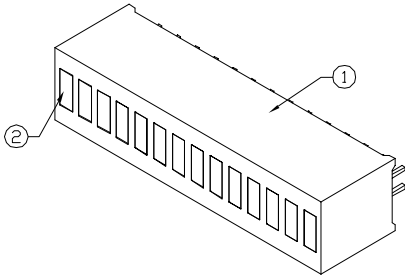


UNCONTROLLED DOCUMENT

PART NUMBER  
SSA-LXB140SID

REV.



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

| PARAMETER          | MIN          | TYP | MAX | UNITS          | TEST COND             |
|--------------------|--------------|-----|-----|----------------|-----------------------|
| PEAK WAVELENGTH    |              | 636 |     | nm             |                       |
| FORWARD VOLTAGE    |              | 2.0 | 2.5 | V <sub>f</sub> |                       |
| REVERSE VOLTAGE    | 5.0          |     |     | V <sub>r</sub> | I <sub>r</sub> =100μA |
| AXIAL INTENSITY    |              | 100 |     | mcd            | I <sub>f</sub> =20mA  |
| VIEWING ANGLE      |              | 110 |     | 2x theta       |                       |
| EMITTED COLOR:     | RED          |     |     |                |                       |
| EPOXY LENS FINISH: | RED DIFFUSED |     |     |                |                       |

LIMITS OF SAFE OPERATION AT 25°C PER DIE

| PARAMETER                | MAX        | UNITS      |
|--------------------------|------------|------------|
| PEAK FORWARD CURRENT*    | 150        | mA         |
| STEADY CURRENT           | 30         | 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:

- SSH-LXB140 HOLDER, BLACK ABS.
- SSL-LX2573SID, LED. (14 PCS.)

\*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

UNCONTROLLED DOCUMENT

|  |                              |
|--|------------------------------|
| REV.   | PART NUMBER<br>SSA-LXB140SID |
| 14 LED ARRAY, 2mm x 5mm RECTANGULAR,<br>636nm SUPER HIGH INTENSITY RED LEDS, RED 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   |