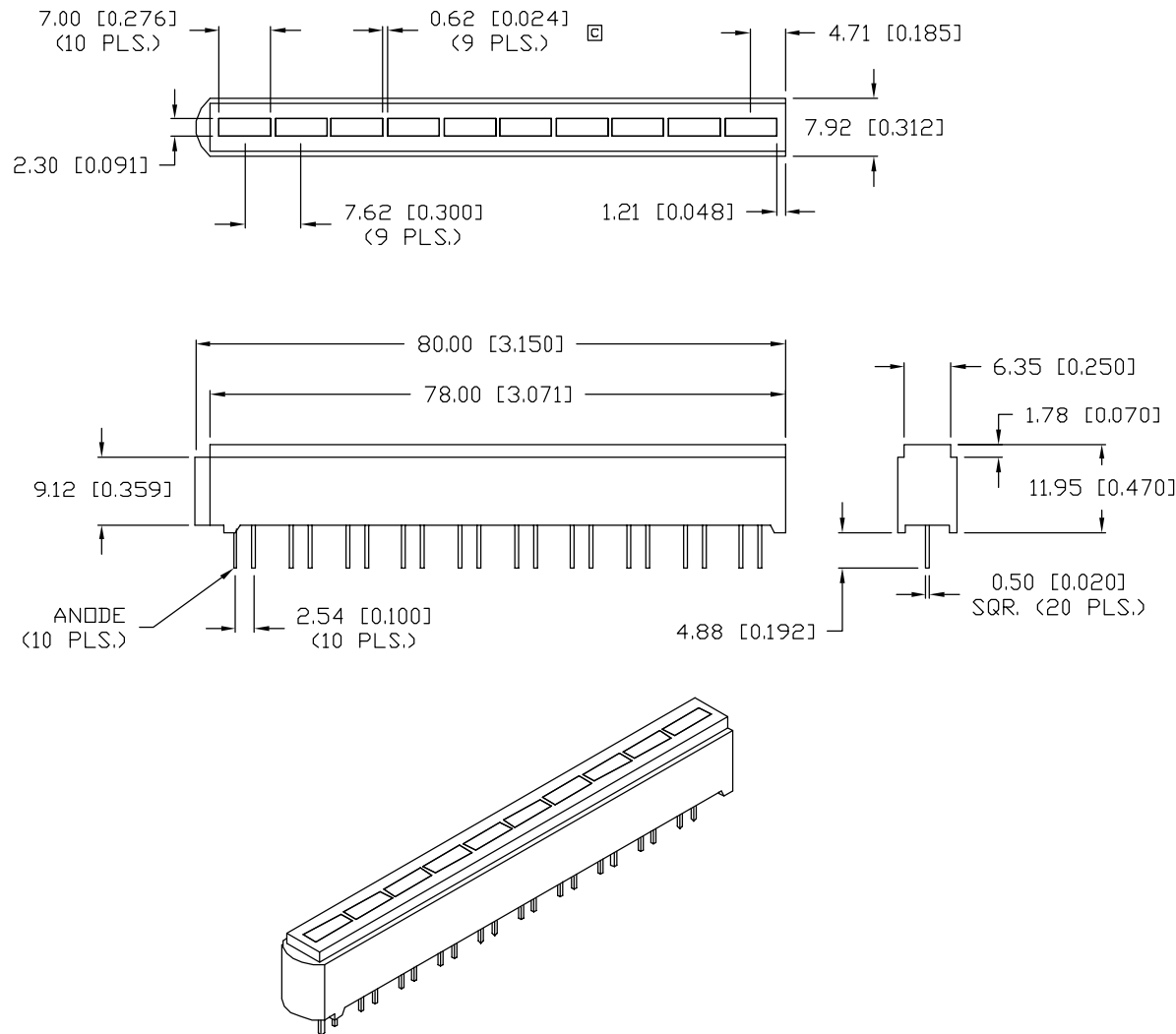


PART NUMBER  
SSA-LXB1027ID

REV.

C

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE     |
|------|-------------------------------------|----------|
| A    | UPDATED SAFE OPER.                  | 10.11.94 |
| B    | E.C.N. #10233.                      | 8.27.96  |
| C    | E.C.N. #10702                       | 1.10.01  |

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

| PARAMETER          | MIN          | TYP | MAX | UNITS           | TEST COND            |
|--------------------|--------------|-----|-----|-----------------|----------------------|
| PEAK WAVELENGTH    |              | 635 |     | nm              |                      |
| FORWARD VOLTAGE    |              | 2.0 | 2.8 | $V_f$           |                      |
| REVERSE VOLTAGE    | 5.0          |     |     | $V_r$           | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY    |              | 9   |     | mcd             | $I_f=20\text{mA}$    |
| VIEWING ANGLE      |              | 110 |     | $2\times\theta$ |                      |
| EMITTED COLOR:     | RED          |     |     |                 |                      |
| EPOXY LENS FINISH: | RED DIFFUSED |     |     |                 |                      |

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

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

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

## NOTES:

- SSH-LXH1027 HOLDER HOLDER COLOR: BLACK.
- SSL-LX25783ID LED(10 PCS.)
- UV LOCTITE 352.

\*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.

C

PART NUMBER

SSA-LXB1027ID

LED ARRAY, 10 UNIT 2.5mm x 7mm RECTANGULAR LEDS.

## CONFIDENTIAL INFORMATION

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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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PAGE: 1 OF 1

SCALE: N/A