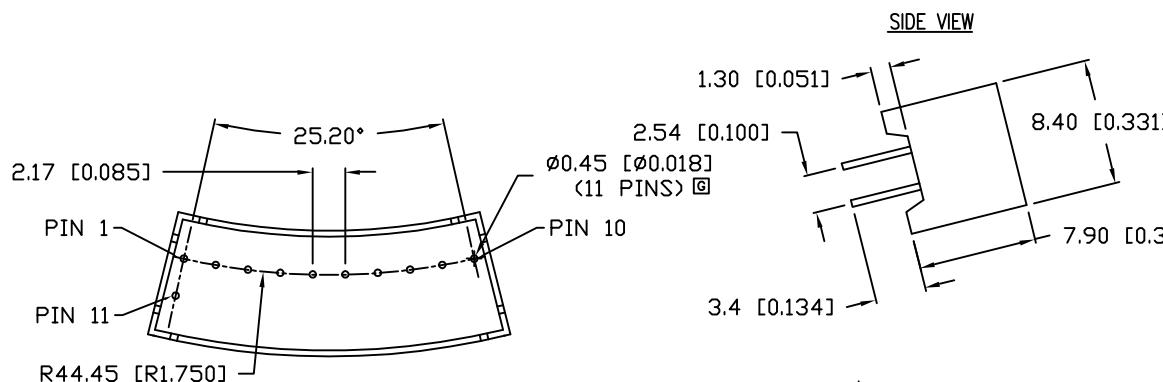
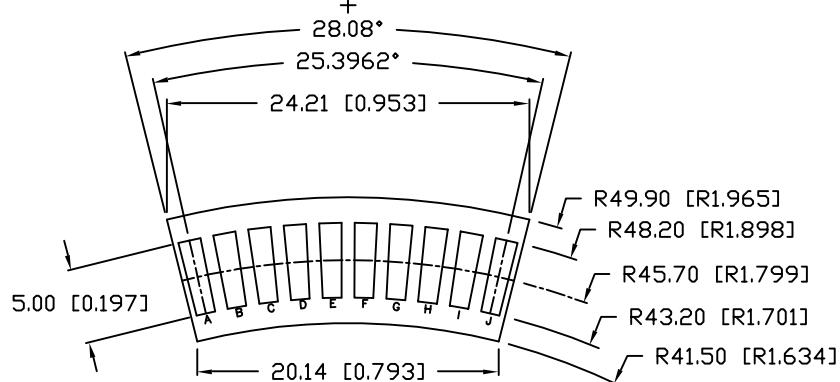
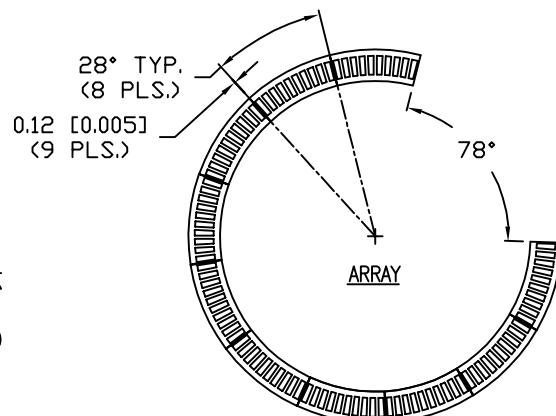
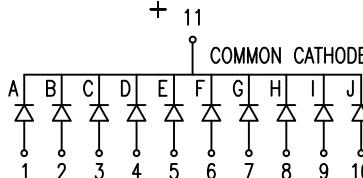


UNCONTROLLED DOCUMENT



BOTTOM VIEW



*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 MAX.=+0.00
MIN.= -0.00 MAX.= -DECIMAL PRECISION

REV.

H

PART NUMBER

SSA-LXB10-23695

10 SEGMENT CURVED ARRAY,
660nm SUPER RED CHIPS, MILKY WHITE DIFFUSED.

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.

PART NUMBER

SSA-LXB10-23695

REV.

H

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE |
|------|--------------------------------------|----------|
| A | REMOVED NOTE DENOTING COM. CATHODE. | 11.18.93 |
| B | SCHEMATIC REDRAWN. | 11.29.93 |
| C | CHANGED DIMENSION. | 3.16.94 |
| D | REDUCE NUMBER OF PINS FROM 20 TO 11. | 8.15.94 |
| E | UPDATED SAFE OPER Specs. | 3.2.95 |
| F | E.C.N. #10678. | 11.13.00 |
| G | E.C.N. #11353. | 9.22.06 |
| H | E.C.N. #1114 | 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 | 660 | | | nm | |
| FORWARD VOLTAGE | | 1.7 | 2.2 | V_f | |
| REVERSE VOLTAGE | 4.0 | | | V_r | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY | 40 | | | mcd | $I_f=20\text{mA}$ |
| VIEWING ANGLE | 160 | | | 2x theta | |
| EMITTED COLOR: | RED | | | | |
| EPOXY LENS FINISH: | MILKY WHITE DIFFUSED | | | | |
| FACE COLOR: | WHITE | | | | |

LIMITS OF SAFE OPERATION AT 25°C PER CHIP

| PARAMETER | MAX | UNITS |
|--------------------------------|------------|-------|
| PEAK FORWARD CURRENT* | 150 | mA |
| STEADY CURRENT | 30 | mA |
| POWER DISSIPATION | 100 | 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 | |

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

F NOTES:

1. LUMEX PART NUMBER TO BE STAMPED ON THE SIDE OF THE REFLECTOR.



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