

UNCONTROLLED DOCUMENT

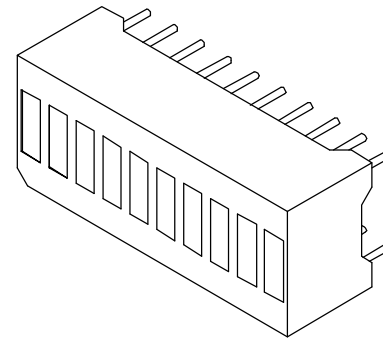
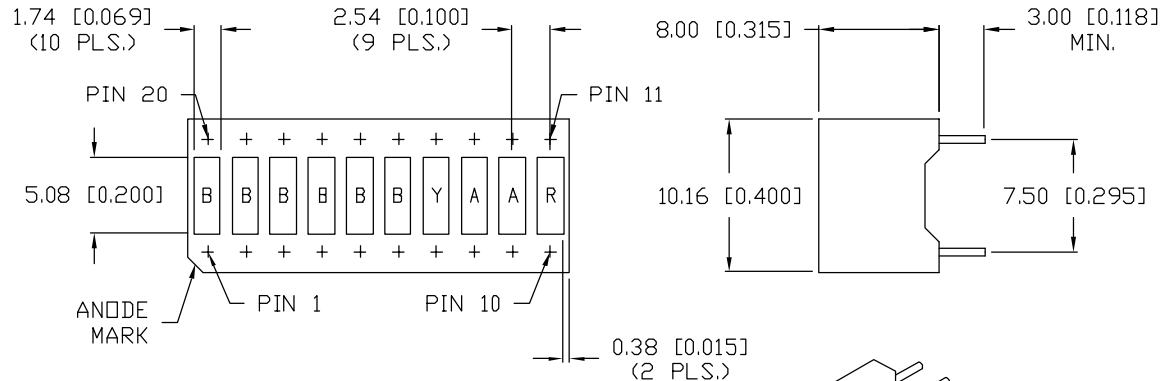
SC:0.50

PART NUMBER

REV.

SSA-LXB10SB6Y1A2I1

PRELIMINARY IN P/N DIR.

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

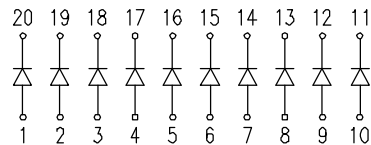
| PARAMETER              | BLUE                 | YELLOW | AMBER | RED | UNITS          | TEST COND            |
|------------------------|----------------------|--------|-------|-----|----------------|----------------------|
| PEAK WAVELENGTH        | 470                  | 585    | 605   | 635 | nm             |                      |
| FORWARD VOLTAGE (TYP.) | 3.8                  | 2.1    | 2.0   | 2.0 | nm             |                      |
| FORWARD VOLTAGE (MAX.) | 4.5                  | 2.5    | 2.5   | 2.5 | V <sub>f</sub> |                      |
| REVERSE VOLTAGE        | 5.0                  | 5.0    | 5.0   | 5.0 | V <sub>r</sub> | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY        | 5                    | 9      | 7.5   | 8   | mcd            | $I_f=20\text{mA}$    |
| VIEWING ANGLE          | 160                  | 160    | 160   | 160 | 2x theta       |                      |
| LED POSITION:          | 1~6                  | 7      | 8~9   | 10  |                |                      |
| EPOXY LENS FINISH:     | MILKY WHITE DIFFUSED |        |       |     |                |                      |
| FACE COLOR:            | GRAY                 |        |       |     |                |                      |

## LIMITS OF SAFE OPERATION AT 25°C PER CHIP

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

\*  $I_t < 10\mu\text{S}$ 

## TOP VIEW POLARITY



\*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 -DECIMAL PRECISION

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10 SEGMENT RECTANGULAR BAR GRAPH,  
6 BLUE, 1 YELLOW, 2 AMBER, 1 RED, 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.



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PAGE: 1 OF 1

SCALE: