

UNCONTROLLED DOCUMENT

SC:0.50

PART NUMBER

REV.

SSA-LXB10G6Y3I1W

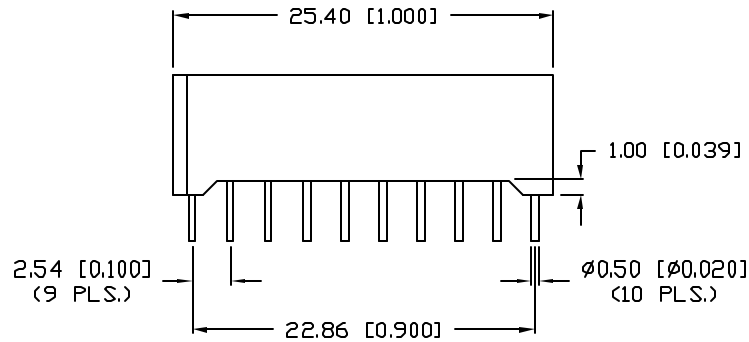
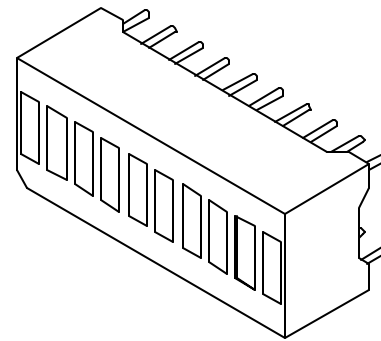
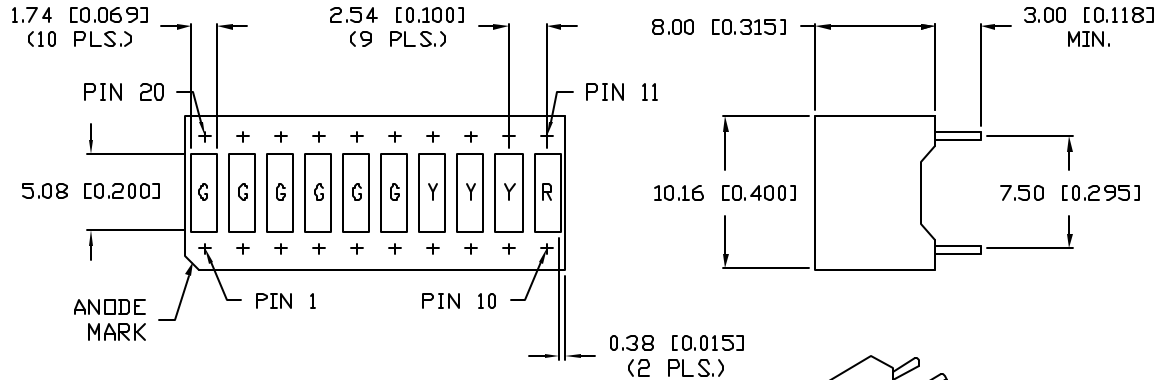
A

REV. E.C.N. NUMBER AND REVISION COMMENTS

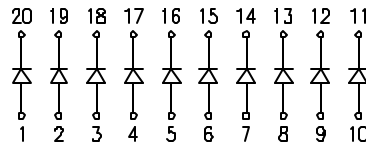
DATE

A E.C.N. #11148

5.22.07



TOP VIEW POLARITY



UNDER REVISION

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 =100µA |
| AXIAL INTENSITY | 8 | 8 | 8 | mcd | I _f =20mA |
| VIEWING ANGLE | 160 | 160 | 160 | 2x theta | |
| LED POSITION: | 1~6 | 7~9 | 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 | (G/Y/R) | 25/30/30 | 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<10µS

*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.=^{+0.00}_{-0.00} DECIMAL PRECISION, MAX.=^{+0.00}_{-0.00} DECIMAL PRECISION

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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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10 SEGMENT RECTANGULAR BAR GRAPH,
6 GREEN, 3 YELLOW, 1 RED, MILKY WHITE DIFFUSED.

DRAWN BY:

JN

CHECKED BY:

APPROVED BY:

DATE: 8.5.02

PAGE: 1 OF 1

SCALE: N/A



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