UNCONTROLLED DOCUMENT

[0.191]

[20] <u>[</u> 3.81

0.50 [0.020] (4 PLS.) 2.54 [0.100] (3 PLS.)

SSB-LX2500SUGD PART NUMBER

> ELECTRO-OPTICAL CHARACTERISTICS TA = 25°C  $I_f = 20 \text{mA}$ PARAMETER TYP MAX UNITS TEST COND 574 (GREEN) PEAK WAVELENGTH FORWARD VOLTAGE 2.2 2.6  $V_{f}$ REVERSE VOLTAGE I<sub>r</sub>=100uA 5.0 AXIAL INTENSITY 25 mcd  $I_f = 20 \text{mA}$ 160 VIEWING ANGLE 2x theta EMITTED COLOR: GREEN EPOXY LENS FINISH: GREEN DIFFUSED

REV.

| LIMITS OF SAFE OPERATION AT 25°C | PER CHIP   |            |
|----------------------------------|------------|------------|
| PARAMETER                        | MAX        | UNITS      |
| PEAK FORWARD CURRENT*            | 150        | mA         |
| STEADY CURRENT                   | 25         | mA         |
| POWER DISSIPATION                | 105        | mW         |
| DERATE FROM 25°C                 | -1.2       | mW/*C      |
| OPERATING TEMP.                  | -40 TO +85 | •C         |
| STORAGE TEMP.                    | -40 TO +85 | •C         |
| SOLDERING TEMP.                  | +260       | •C         |
| 2.0mm FROM BODY                  |            | 3 SEC. MAX |
| * 1×10C                          |            |            |

' t<10uS

1.02 [0.040]

9.94 [0.391]

8.89 [0.350]

Α

\*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 UNCONTROLLED DOCUMENT



4.00±0.50 [0.157±0.020]

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6.10 [0.240] —

8.89mm x 3.81mm VIEWING AREA LIGHT BAR, 2- 574nm SUPER GREEN LEDS, GREEN DIFFUSED EPOXY.

\*\*THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.\*\*

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DATE: 05.17.13 DRAWN BY: MA PAGE: OF CHKD BY: JD SCALE: JD NTS APRVD BY: (Pb) UNIT: mm [INCH]