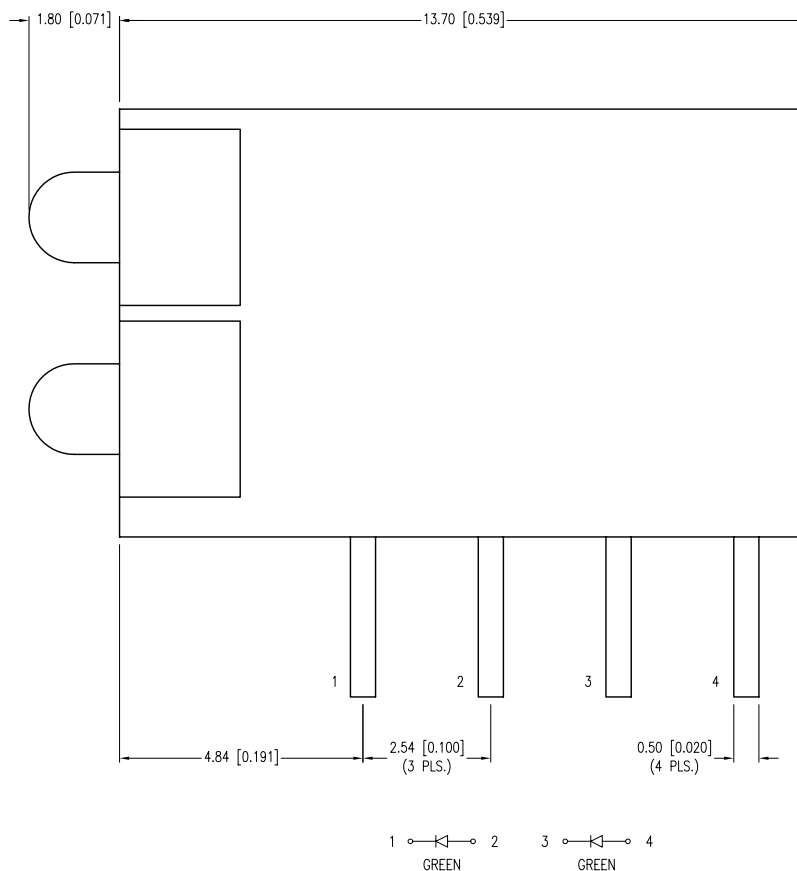
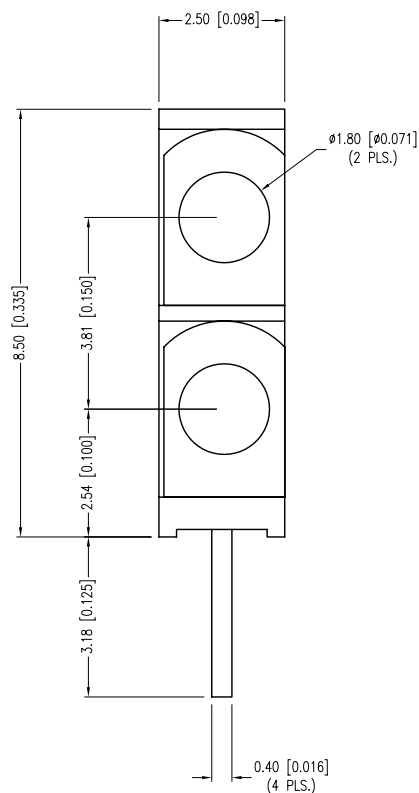


| PART NUMBER | SSF-H2230GGD-RP                     | REV. | B    |
|-------------|-------------------------------------|------|------|
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 10.18.01    | E.C.N. #10798.                      |      | A    |
| 08.10.11    | E.C.N. #10BRDR. & REDRAWN.          |      | B    |



| ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^\circ\text{C}$ |                |     |     | $I_f=20\text{mA}$ |                      |
|--------------------------------------------------------|----------------|-----|-----|-------------------|----------------------|
| PARAMETER                                              | MIN            | TYP | MAX | UNITS             | UNITS                |
| PEAK WAVELENGTH                                        |                | 565 |     | nm                |                      |
| FORWARD VOLTAGE                                        |                | 2.2 | 2.6 | V <sub>f</sub>    |                      |
| REVERSE VOLTAGE                                        | 5.0            |     |     | V <sub>r</sub>    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY                                        |                | 20  |     | mcd               | $I_f=20\text{mA}$    |
| VIEWING ANGLE                                          |                | 60  |     | 2x theta          |                      |
| EMITTED COLOR:                                         | GREEN          |     |     |                   |                      |
| EPOXY LENS FINISH:                                     | GREEN DIFFUSED |     |     |                   |                      |

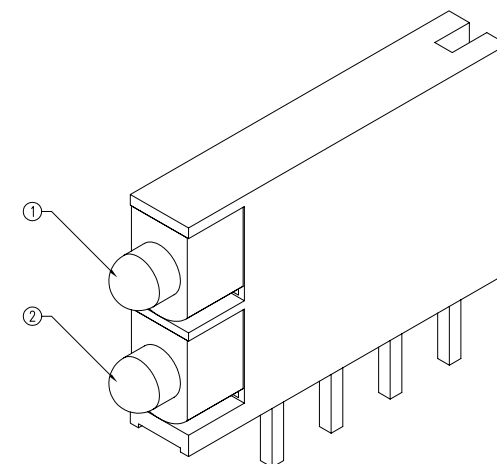
## LIMITS OF SAFE OPERATION AT 25°C

| 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. |

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

## NOTES:

1. GREEN LED.
2. GREEN LED.



\*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=  $\begin{smallmatrix} \text{DECIMAL} \\ -0.00 \end{smallmatrix}$  PRECISION MAX.=  $\begin{smallmatrix} \text{DECIMAL} \\ +0.00 \end{smallmatrix}$  PRECISION



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T=2mm DUAL TOWER, 1 UNIT, FRONT-BACK LEADS, 565nm GREEN, GREEN DIFFUSED, REVERSE POLARITY.

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

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|        |           |           |    |
|--------|-----------|-----------|----|
| DATE:  | 08.10.11  | DRAWN BY: | AB |
| PAGE:  | 1 OF 1    | CHKD BY:  | SS |
| SCALE: | NTS       | APRVD BY: | SS |
| UNIT:  | mm [INCH] |           | Ⓢ  |

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