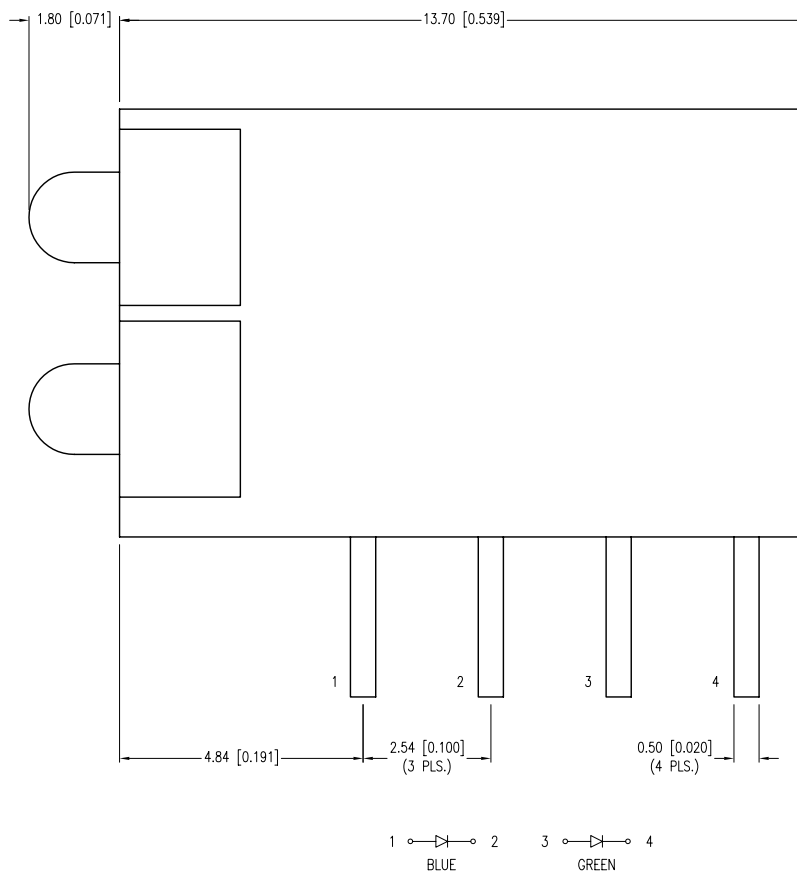
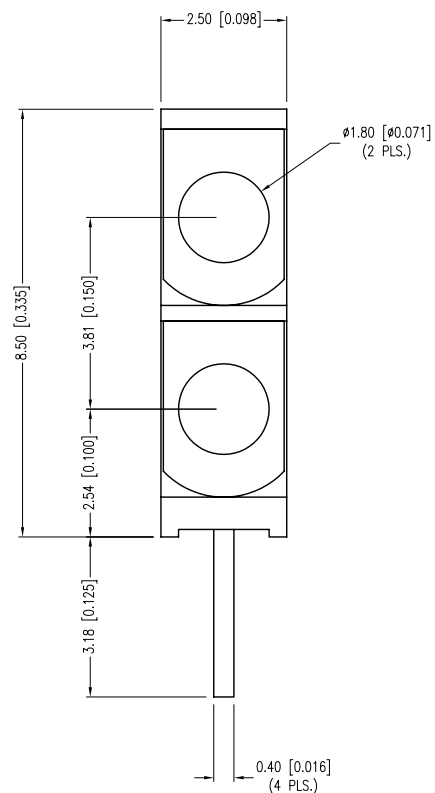


|             |                                     |      |      |
|-------------|-------------------------------------|------|------|
| PART NUMBER | SSF-H2230SUGSBD                     | REV. | A    |
| DATE        | E.C.N. NUMBER AND REVISION COMMENTS |      | REV. |
| 08.10.11    | E.C.N. #10BRDR. & REDRAWN.          |      | A    |



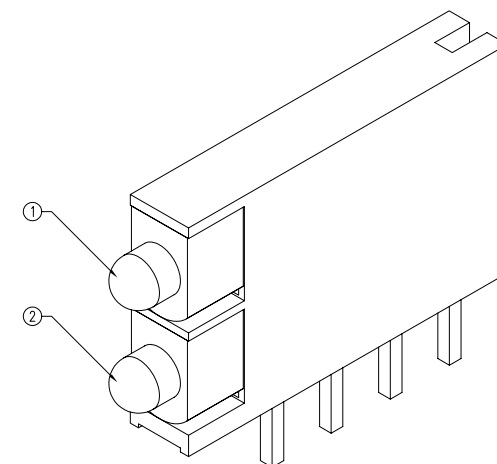
| ELECTRO-OPTICAL CHARACTERISTICS $T_a=25^\circ\text{C}$ |                |         | $I_f=20\text{mA}$ |                |                      |
|--------------------------------------------------------|----------------|---------|-------------------|----------------|----------------------|
| PARAMETER                                              | MIN            | TYP     | MAX               | UNITS          | UNITS                |
| PEAK WAVELENGTH (G/B)                                  |                | 574/430 |                   | nm             |                      |
| FORWARD VOLTAGE (G/B)                                  |                | 2.2/4.5 | 2.6/5.5           | V <sub>f</sub> |                      |
| REVERSE VOLTAGE                                        | 5.0            |         |                   | V <sub>r</sub> | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY (G/B)                                  |                | 50/30   |                   | mcd            | $I_f=20\text{mA}$    |
| VIEWING ANGLE                                          |                | 60      |                   | 2x theta       |                      |
| EMITTED COLOR:                                         | GREEN/BLUE     |         |                   |                |                      |
| EPOXY LENS FINISH:                                     | COLOR DIFFUSED |         |                   |                |                      |

| LIMITS OF SAFE OPERATION AT $25^\circ\text{C}$ |            |                      |
|------------------------------------------------|------------|----------------------|
| PARAMETER                                      | MAX        | UNITS                |
| PEAK FORWARD CURRENT*                          | 150        | mA                   |
| STEADY CURRENT                                 | 25         | mA                   |
| POWER DISSIPATION                              | 105        | mW                   |
| DERATE FROM $25^\circ\text{C}$                 | -1.2       | mW/ $^\circ\text{C}$ |
| OPERATING TEMP.                                | -40 TO +85 | $^\circ\text{C}$     |
| STORAGE TEMP.                                  | -40 TO +85 | $^\circ\text{C}$     |
| SOLDERING TEMP.                                | +260       | $^\circ\text{C}$     |
| 2.0mm FROM BODY                                | 3          | SEC. MAX.            |

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

## NOTES:

1. GREEN LED.
2. BLUE LED.



UNCONTROLLED DOCUMENT

\*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

|                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                          |  |                 |              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------|--------------|
|  <p>290 E. HELEN ROAD<br/>PALATINE, IL 60067-6976<br/>PHONE: +1.847.359.2790<br/>FAX: +1.847.359.6538<br/>WEB: WWW.LUMEX.COM</p> | T-2mm DUAL TOWER, 1 UNIT, FRONT-BACK LEADS, 574/430nm GREEN/BLUE, COLOR DIFFUSED.                                                                                                                                                                                                                                                                        |  | DATE: 08.10.11  | DRAWN BY: AB |
|                                                                                                                                                                                                                    | **THE SPECIFICATIONS MAY CHANGE AT ANY TIME WITHOUT NOTICE DUE TO NEW MATERIALS OR PRODUCT IMPROVEMENT.**                                                                                                                                                                                                                                                |  | PAGE: 1 OF 1    | CHKD BY: SS  |
|                                                                                                                                                                                                                    | CONFIDENTIAL INFORMATION<br>THE INFORMATION CONTAINED IN THIS DOCUMENT IS THE PROPERTY OF LUMEX INC. EXCEPT AS SPECIFICALLY AUTHORIZED IN WRITING BY LUMEX INC., THE HOLDER OF THIS DOCUMENT SHALL KEEP ALL INFORMATION CONTAINED HEREIN CONFIDENTIAL AND SHALL PROTECT SAME IN WHOLE OR IN PART FROM DISCLOSURE AND DISSEMINATION TO ALL THIRD PARTIES. |  | SCALE: NTS      | APRVD BY: SS |
|                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                          |  | UNIT: mm [INCH] | Ⓢ            |