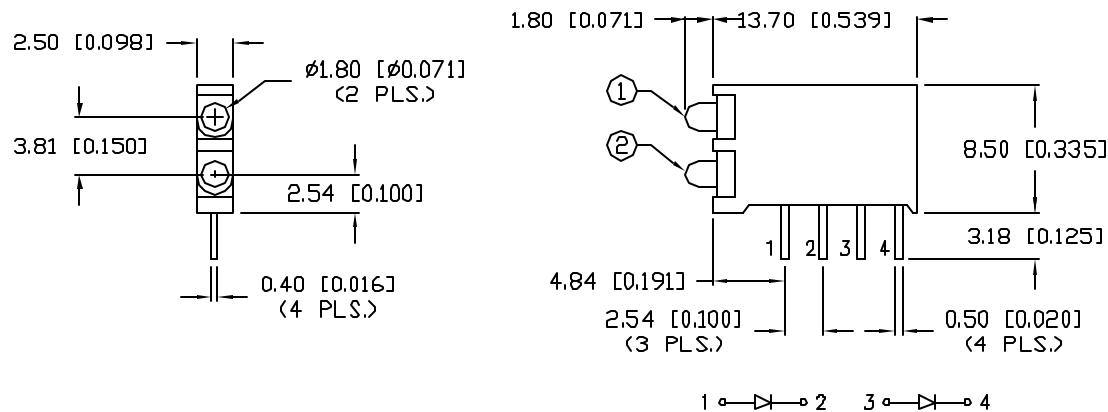


ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$   $I_f=20\text{mA}$ 

| PARAMETER                                         | RED | GREEN | UNITS    | TEST COND            |
|---------------------------------------------------|-----|-------|----------|----------------------|
| PEAK WAVELENGTH                                   | 635 | 565   | nm       |                      |
| FORWARD VOLTAGE (TYP.)                            | 2.0 | 2.2   | $V_f$    |                      |
| FORWARD VOLTAGE (MAX.)                            | 2.5 | 2.6   | $V_f$    |                      |
| REVERSE VOLTAGE                                   | 5.0 | 5.0   | $V_r$    | $I_r=100\mu\text{A}$ |
| AXIAL INTENSITY                                   | 20  | 20    | mcd      | $I_f=20\text{mA}$    |
| VIEWING ANGLE                                     | 60  | 60    | 2x theta |                      |
| LED POSITION:                                     | 1   | 2     |          |                      |
| EPOXY LENS FINISH: DIFFUSED SAME AS EMITTED COLOR |     |       |          |                      |

LIMITS OF SAFE OPERATION AT  $25^\circ\text{C}$ 

| PARAMETER                      | COLORS | MAX        | UNITS                |
|--------------------------------|--------|------------|----------------------|
| PEAK FORWARD CURRENT*          |        | 150        | mA                   |
| STEADY CURRENT                 | (R/G)  | 30/25      | mA                   |
| POWER DISSIPATION              |        | 105        | mW                   |
| DERATE FROM $25^\circ\text{C}$ |        | -1.2       | mW/ $^\circ\text{C}$ |
| OPERATING, STORAGE TEMP.       |        | -40 TO +85 | $^\circ\text{C}$     |
| SOLDERING TEMP.                |        | +260       | $^\circ\text{C}$     |
| 2.0mm FROM BODY                |        |            | 3 SEC. MAX           |

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

\*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.=<sup>+DECIMAL PRECISION</sup>-0.00 <sup>MAX.=+0.00</sup>-DECIMAL PRECISION

REV.

PART NUMBER

SSF-H2230IGD

T-2mm DUAL TOWER, 1 UNIT, FRONT-BACK LEADS,  
POS.1: 635nm RED, POS.2: 565nm GREEN,  
COLOR DIFFUSED PER POSITION.

## 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: N/A