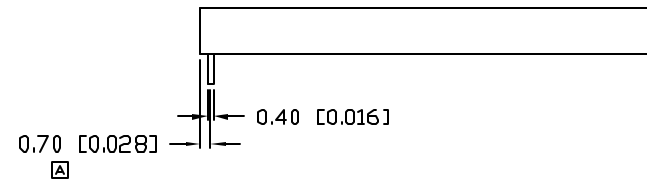
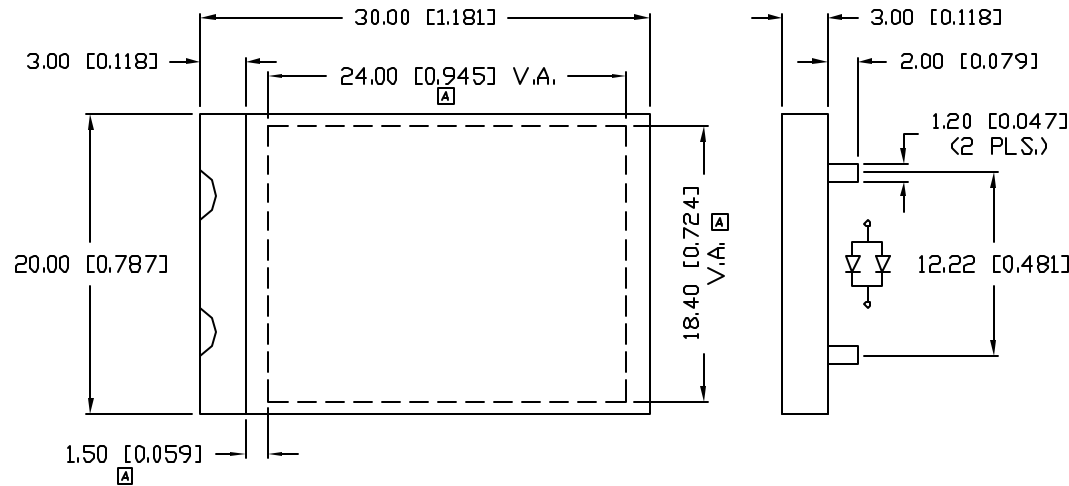


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PART NUMBER  
SSB-CEL2417SUGC

REV.  
A

| REV. | E.C.N. NUMBER AND REVISION COMMENTS | DATE    |
|------|-------------------------------------|---------|
| A    | E.C.N. #11036.                      | 9.15.03 |



ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$  PER MODULE  $I_f=40\text{ mA}$

| PARAMETER          | MIN            | TYP         | MAX | UNITS                  | TEST COND            |
|--------------------|----------------|-------------|-----|------------------------|----------------------|
| PEAK WAVELENGTH    |                | 574 (GREEN) |     | nm                     |                      |
| FORWARD VOLTAGE    |                | 2.2         | 2.6 | $V_f$                  |                      |
| REVERSE VOLTAGE    | 8              |             |     | $V_r$                  | $V_r=100\mu\text{A}$ |
| LUMINOUS INTENSITY |                | 12          |     | $\text{cd}/\text{m}^2$ | $I_f=40\text{ mA}$   |
| EMITTED COLOR:     | GREEN          |             |     |                        |                      |
| REFLECTOR FINISH:  | WHITE DIFFUSED |             |     |                        |                      |

LIMITS OF SAFE OPERATION AT 25°C PER LED

| 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.       | -20 TO +70 | °C         |
| STORAGE TEMP.         | -30 TO +80 | °C         |
| SOLDERING TEMP.       | +240       | °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), XX=±0.5 (±0.020), XXX=±0.25 (±0.010), XXXX=±0.127 (±0.005). LEAD SIZE=±0.05 (±0.002), LEAD LENGTH=±0.75 (±0.030), MIN= <sup>+0.00</sup> <sub>-0.00</sub> DECIMAL PRECISION MAX= <sup>+0.00</sup> <sub>-0.00</sub> DECIMAL PRECISION

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30mm x 20mm CUSTOM LED BACKLIGHT,  
574nm GREEN LED, 2 CHIPS.

**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.

|                 |             |              |               |
|-----------------|-------------|--------------|---------------|
| DRAWN BY:<br>GT | CHECKED BY: | APPROVED BY: | DATE: 6.12.03 |
|                 |             |              | PAGE: 1 OF 1  |
|                 |             |              | SCALE: N/A    |