

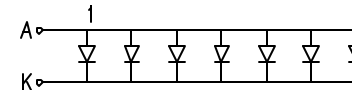
ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^{\circ}\text{C}$  PER MODULE  $I_f=140\text{mA}$

| PARAMETER              | MIN                  | TYP  | MAX  | UNITS           | TEST COND           |
|------------------------|----------------------|------|------|-----------------|---------------------|
| PEAK WAVELENGTH        |                      | -    |      | nm              |                     |
| FORWARD VOLTAGE        |                      | 3.5  | 4    | $V_f$           |                     |
| REVERSE VOLTAGE        | 5                    |      |      | $V_r$           | $I_r=0.35\text{mA}$ |
| LUMINOUS INTENSITY(*1) |                      | 230  |      | $\text{cd/m}^2$ | $I_f=140\text{mA}$  |
| CHROMATICITY X         | 0.27                 | 0.29 | 0.31 |                 |                     |
| COORDINATES(*2) Y      | 0.29                 | 0.30 | 0.32 |                 |                     |
| EMITTED COLOR:         | WHITE                |      |      |                 |                     |
| REFLECTOR FINISH:      | CLEAR WHITE DIFFUSER |      |      |                 |                     |

\*1. LUMINOUS INTENSITY TESTING CONDITION: 550nm WAVELENGTH.  
 \*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

LIMITS OF SAFE OPERATION AT 25°C PER MODULE

| PARAMETER                 | MAX        | UNITS      |
|---------------------------|------------|------------|
| STEADY CURRENT            | 168        | mA         |
| POWER DISSIPATION         | 0.67       | W          |
| DERATE FROM 25°C, PER DIE | -1.2       | mW/°C      |
| OPERATING, STORAGE TEMP.  | -40 TO +85 | °C         |
| SOLDERING TEMP.           | +260       | °C         |
| 2.0mm FROM BODY           |            | 3 SEC. MAX |



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

|      |                |
|------|----------------|
| REV. | PART NUMBER    |
|      | SSB-CEL7172UWW |

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71mm x 72mm VIEW AREA, EDGE LIT LED BACKLIGHT,  
 7 CHIPS, WHITE, 3.5V @ 140 mA

**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>JD | CHECKED BY: | APPROVED BY: | DATE: 7.15.04 |
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|                 |             |              | SCALE: N/A    |