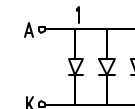


| ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ PER MODULE |                           |     |     |                 | $I_f=60\text{ mA}$  |
|-------------------------------------------------------------------|---------------------------|-----|-----|-----------------|---------------------|
| PARAMETER                                                         | MIN                       | TYP | MAX | UNITS           | TEST COND           |
| PEAK WAVELENGTH                                                   |                           | 525 |     | nm              |                     |
| FORWARD VOLTAGE                                                   |                           | 3.3 | 4   | $V_f$           |                     |
| REVERSE VOLTAGE                                                   | 5                         |     |     | $V_r$           | $I_r=0.15\text{mA}$ |
| LUMINOUS INTENSITY                                                |                           | 125 |     | $\text{cd/m}^2$ | $I_f=60\text{ mA}$  |
| EMITTED COLOR:                                                    | GREEN                     |     |     |                 |                     |
| REFLECTOR FINISH:                                                 | CLEAR WHITE WITH DIFFUSER |     |     |                 |                     |

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

| PARAMETER                                | MAX        | UNITS                |
|------------------------------------------|------------|----------------------|
| STEADY CURRENT                           | 72         | mA                   |
| POWER DISSIPATION                        | 0.29       | W                    |
| DERATE FROM $25^\circ\text{C}$ , PER DIE | -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           |



\*UNLESS OTHERWISE SPECIFIED TOLERANCES PER DECIMAL PRECISION ARE:  $X=\pm 1$  ( $\pm 0.039$ ),  $XX=\pm 0.5$  ( $\pm 0.020$ ),  $XXX=\pm 0.25$  ( $\pm 0.010$ ),  $XXXX=\pm 0.127$  ( $\pm 0.005$ ). LEAD SIZE= $\pm 0.05$  ( $\pm 0.002$ ), LEAD LENGTH= $\pm 0.75$  ( $\pm 0.030$ ),  $MIN=$  <sup>+DECIMAL PRECISION</sup>  $-0.00$  <sup>MAX.=</sup> <sup>+0.00</sup> <sup>-DECIMAL PRECISION</sup>

REV.

PART NUMBER

SSB-CEL7741UPGW

## 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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77mm x 44mm VIEW AREA, EDGE LIT LED BACKLIGHT,  
525nm ULTRA PURE GREEN, 3 CHIPS 3.3V @ 60mA

DRAWN BY:

JD

CHECKED BY:

APPROVED BY:

DATE: 7.15.04

PAGE: 1 OF 1

SCALE: N/A