


(-) K  A (+)

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

| PARAMETER                    | SYMBOL         | MIN | TYP  | MAX | UNITS | TEST COND         |
|------------------------------|----------------|-----|------|-----|-------|-------------------|
| PEAK WAVELENGTH              |                |     | -    |     | nm    |                   |
| FORWARD VOLTAGE              | $V_f$          |     | 3.3  | 4.0 | V     |                   |
| REVERSE VOLTAGE              | $V_r$          | 5.0 |      |     | V     | $I_f=40\text{mA}$ |
| AXIAL INTENSITY(*1)          | $I_v$          |     | TBA  |     | mcd   | $I_f=40\text{mA}$ |
| CHROMATICITY COORDINATES(*2) | X              |     | 0.31 |     |       |                   |
|                              | Y              |     | 0.31 |     |       |                   |
| EMITTED COLOR:               | WHITE          |     |      |     |       |                   |
| EPOXY LENS FINISH:           | WHITE DIFFUSED |     |      |     |       |                   |

\*1. AXIAL INTENSITY TESTING CONDITION: 550nm WAVELENGTH.

\*2. THE ICI STANDARD COLORIMETRIC SYSTEM.

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

| PARAMETER                        | MAX        | UNITS                  |
|----------------------------------|------------|------------------------|
| PEAK FORWARD CURRENT*            | 100        | mA                     |
| STEADY CURRENT                   | 20         | mA                     |
| POWER DISSIPATION                | 105        | mW                     |
| DERATE FROM $25^{\circ}\text{C}$ | -1.2       | mW/ $^{\circ}\text{C}$ |
| OPERATING, STORAGE TEMP.         | -30 TO +80 | $^{\circ}\text{C}$     |
| SOLDERING TEMP.                  | +260       | $^{\circ}\text{C}$     |
| 2.0mm FROM BODY                  |            | 3 SEC. MAX             |

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

CAUTION: STATIC SENSITIVE DEVICE  
FOLLOW PROPER E.S.D. HANDLING PROCEDURES  
WHEN WORKING WITH THIS PART.

\*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.= +DECIMAL PRECISION MAX.= +0.00 -DECIMAL PRECISION

REV.

PART NUMBER

SSB-CEL2718UWW

CUSTOM EDGE LIT, LED BACKLIGHT,  
WHITE LEDS, WHITE DIFFUSED.

## 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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