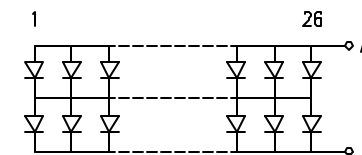


| ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ PER MODULE | | | | | $I_f=260\text{mA}$ |
|---|-------|-----|-----|-----------------|--------------------|
| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
| PEAK WAVELENGTH | | 565 | | nm | |
| FORWARD VOLTAGE | | 4.2 | 4.5 | V_f | |
| REVERSE VOLTAGE | 8 | | | V_r | $I_r=2.6\text{mA}$ |
| LUMINOUS INTENSITY | | 250 | | cd/m^2 | $I_f=260\text{mA}$ |
| EMITTED COLOR: | GREEN | | | | |
| REFLECTOR FINISH: | WHITE | | | | |

| LIMITS OF SAFE OPERATION AT 25°C PER MODULE | | |
|---|------------|----------------------------|
| PARAMETER | MAX | UNITS |
| STEADY CURRENT | 650 | mA |
| POWER DISSIPATION | 2.99 | W |
| DERATE FROM 25°C , PER DIE | -1.2 | $\text{mW}/^\circ\text{C}$ |
| OPERATING, STORAGE TEMP. | -40 TO +85 | $^\circ\text{C}$ |
| SOLDERING TEMP. | +260 | $^\circ\text{C}$ |
| 2.0mm FROM BODY | 3 SEC. MAX | |



2 CHIPS IN SERIES
26 PARALLEL BRANCHES

UNCONTROLLED DOCUMENT

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

REV.

PART NUMBER

SSB-COB7827GW-B

78mm x 27mm VIEW AREA, CHIPS ON BOARD LED BACKLIGHT,

565nm GREEN, 52 CHIPS, 4.2V @ 260mA

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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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