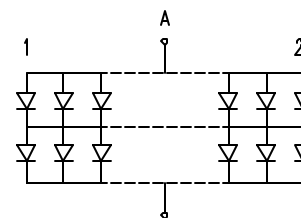


| ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ PER MODULE | | | | | $I_f=200\text{mA}$ |
|---|-------|-----|-----|-----------------|--------------------|
| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
| PEAK WAVELENGTH | | 565 | | nm | |
| FORWARD VOLTAGE | | 4.2 | 4.5 | V_f | |
| REVERSE VOLTAGE | 8 | | | V_r | $I_r=2.0\text{mA}$ |
| LUMINOUS INTENSITY | | 100 | | cd/m^2 | $I_f=200\text{mA}$ |
| EMITTED COLOR: | GREEN | | | | |
| REFLECTOR FINISH: | WHITE | | | | |

LIMITS OF SAFE OPERATION AT 25°C PER MODULE

| PARAMETER | MAX | UNITS |
|--|------------|----------------------|
| STEADY CURRENT | 320 | mA |
| POWER DISSIPATION | 1.47 | W |
| DERATE FROM 25°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 | |



UNCONTROLLED DOCUMENT

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

REV.

PART NUMBER

SSB-COB10025GW-A

100mm x 25mm VIEW AREA, CHIP ON BOARD LED BACKLIGHT,

40 CHIPS, 565nm GREEN, 4.2V @ 200mA

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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