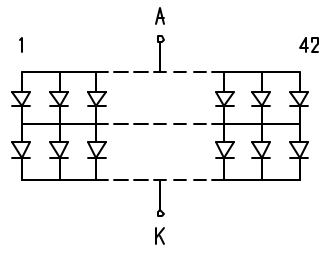
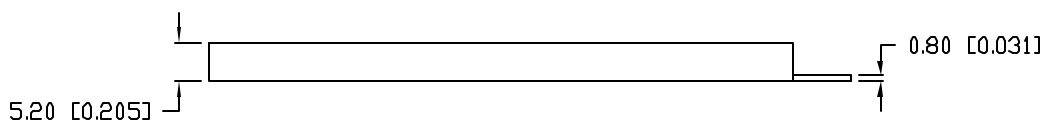


ELECTRO-OPTICAL CHARACTERISTICS $T_A=25^\circ\text{C}$ PER MODULE $I_f=420\text{mA}$

| PARAMETER | MIN | TYP | MAX | UNITS | TEST COND |
|--------------------|--------------|-----|-----|-----------------|--------------------|
| PEAK WAVELENGTH | | 565 | | nm | |
| FORWARD VOLTAGE | | 4.2 | 4.5 | V_f | |
| REVERSE VOLTAGE | 8 | | | V_r | $I_r=4.2\text{mA}$ |
| LUMINOUS INTENSITY | | 200 | | cd/m^2 | $I_f=420\text{mA}$ |
| EMITTED COLOR: | YELLOW GREEN | | | | |
| REFLECTOR FINISH: | WHITE | | | | |

LIMITS OF SAFE OPERATION AT 25°C PER MODULE

| PARAMETER | MAX | UNITS |
|--------------------------------|------------|----------------------------|
| STEADY CURRENT | 672 | mA |
| POWER DISSIPATION | 3.02 | mW |
| DERATE FROM 25°C | -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 |



*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-COB7248GW |
|------|------------------------------|

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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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72mm x 48mm VIEW AREA, CHIP ON BOARD LED BACKLIGHT, 84 CHIPS, 565nm GREEN CHIPS, 4.2V @420mA

| | | | |
|-----------------|-------------|--------------|---------------|
| DRAWN BY: JD | CHECKED BY: | APPROVED BY: | DATE: 7.23.04 |
| | | | PAGE: 1 OF 1 |
| | | | SCALE: N/A |