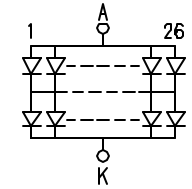


ELECTRO-OPTICAL CHARACTERISTICS  $T_A=25^\circ\text{C}$  PER MODULE  $I_f=260\text{mA}$

| PARAMETER          | MIN   | TYP | MAX | UNITS                  | TEST COND          |
|--------------------|-------|-----|-----|------------------------|--------------------|
| PEAK WAVELENGTH    |       | 565 |     | nm                     |                    |
| FORWARD VOLTAGE    |       | 4.2 | 4.5 | $V_f$                  |                    |
| REVERSE VOLTAGE    | 8     |     |     | $V_r$                  | $I_f=2.6\text{mA}$ |
| LUMINOUS INTENSITY |       | 220 |     | $\text{cd}/\text{m}^2$ | $I_f=260\text{mA}$ |
| EMITTED COLOR:     | GREEN |     |     |                        |                    |
| REFLECTOR FINISH:  | WHITE |     |     |                        |                    |

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

| PARAMETER                                | MAX        | UNITS                      |
|--|------------|----------------------------|
| STEADY CURRENT                           | 416        | mA                         |
| POWER DISSIPATION                        | 1.87       | W                          |
| DERATE FROM $25^\circ\text{C}$ , 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                 |



\*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<br><b>SSB-COB10125GW</b> |
|------|--------------------------------------|

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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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101mm x 25mm VIEW AREA, CHIP ON BOARD LED BACKLIGHT,  
565nm GREEN, 52 CHIPS, 4.2V @ 260mA.

|                 |             |              |  |
|-----------------|-------------|--------------|--|
| DRAWN BY:<br>BC | CHECKED BY: | APPROVED BY: | DATE: 7.1.04<br>PAGE: 1 OF 1<br>SCALE: N/A |
|-----------------|-------------|--------------|--|