

## CRYSTAL CONTROLLED OSCILLATORS

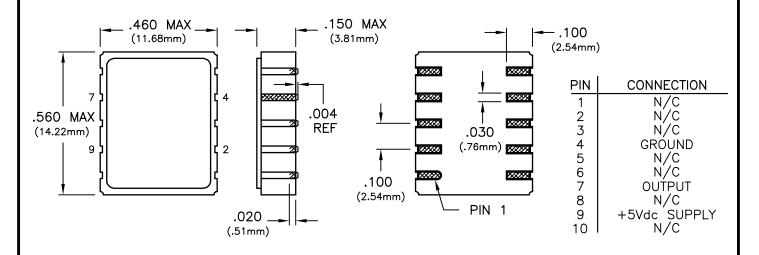
AURORA, IL 60505 PHONE (630) 851-4722 FAX (630) 851-5040 www.conwin.com

## ADVANCED CMOS SURFACE MOUNT

| SPECIFI             | CATIONS        |  | ASM51   | ASM52  | ASM53   | ASM54  |  |
|---------------------|----------------|--|---|--------|---------|--------|--|
| Frequency Range     |                |  | 14MHz to 150MHz                               |        |         |        |  |
|                     |                |  | ±25ppm  | ±50ppm | ±100ppm | ±20ppm |  |
| Frequency Stability |                | (Inclusive of calibration tolerance at 25°C and operating temperature range) |   |        |         |        |  |
| Temperature Range   |                |  | 0°C to +70°C                                  |        |         |        |  |
| Waveform            |                |  | CMOS Squarewave, TTL Compatible               |        |         |        |  |
|                     | Load           |  | 50pF  |        |         |        |  |
|                     | Voltage        | Voh  | 4.40V Minimum                                 |        |         |        |  |
| Output              | -              | Vol  | 0.44V Maximum                                 |        |         |        |  |
| Output              | Current        | _loh   | −24mA   |        |         |        |  |
|                     |                | lol  | 24mA  |        |         |        |  |
|                     | Duty Cycle     |  | 45/55 Maximum                                 |        |         |        |  |
|                     | Rise/Fall Time |  | 3nS   |        |         |        |  |
| Jitter              |                |  | 10pS RMS Maximum                              |        |         |        |  |
| Start Up Time       |                |  | 10mS Maximum                                  |        |         |        |  |
| Supply Voltage      |                |  | +5Vdc ±10%                                    |        |         |        |  |
| Supply Current      |                |  | 100mA Maximum                                 |        |         |        |  |
| Package             |                |  | Hermetically sealed, leadless ceramic package |        |         |        |  |

**WARNING!** 

Do not insert oscillator into a hot circuit. Failure to comply will result in damage to oscillator.



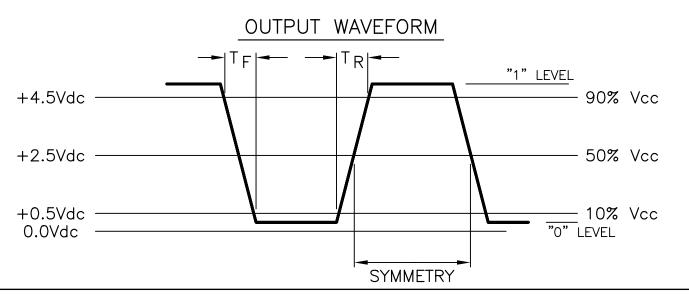
| BULLETIN #: ACO16 | <sub>PEV</sub> . 05       | Specifications | subject to | change | without notice. | C−W © 1999       |
|-------------------|---------------------------|----------------|------------|--------|-----------------|------------------|
| 1 0               | 10 /10 /00                |                |            |        | Dimensional     | Tolerance: ±.02" |
| PAGE OF           | <sub>DATE:</sub> 12/16/99 | ISSUED BY: _   |            |        |                 | ±.005"           |

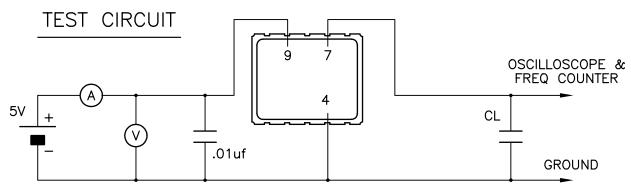


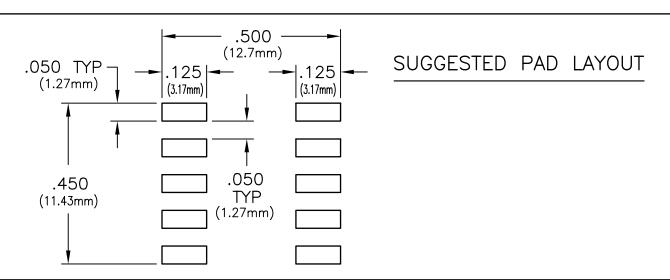
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ISSUED BY: \_

| BULLETIN #: | AC016           |     |  |  |
|-------------|-----------------|-----|--|--|
| PAGE _      | 2 <sub>OF</sub> | - 2 |  |  |

REV: 05 DATE: 12/16/99 Specifications subject to change without notice.

Dimensiona

Dimensional Tolerance: ±.02" ±.005"

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