

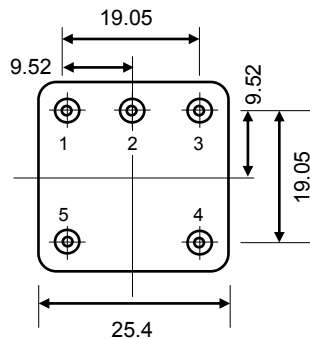
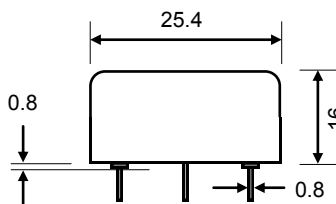
**OCXO - 25.4 X 25.4 X 16mm SQUARE PACKAGE**
**FEATURES:**

- HIGH STABILITY AVAILABLE
- LOW PHASE NOISE/LONG TERM AGING
- SC CUT or AT CUT BASED ON APPLICATION

RoHS  
Compliant



| MODEL                                     |        | OX - A1  |
|---|--------|--|
| FREQUENCY RANGE                           |        | 1 MHz to 160 MHz   |
| FREQUENCY ACCURACY                        |        | ± 0.2 ppm max.   |
| FREQUENCY STABILITY vs. TEMPERATURE       |        | See Part Numbering Guide                                       |
| AGING                                     | AT Cut | ± 0.002 ppm/day, first year ± 0.3 ppm, 10 years ± 2 ppm max.   |
|   | SC Cut | ± 0.001 ppm/day, first year ± 0.1 ppm, 10 years ± 0.5 ppm max. |
| SHORT TERM STABILITY                      |        | 1 x 10 <sup>-10</sup> / ms                                     |
| OUTPUT TYPE AND LOAD CHARACTERISTICS      |        | CMOS (15pF), Clipped sine wave (10KΩ//10pF), or Sinewave (50Ω) |
| SUPPLY VOLTAGE                            |        | +3.3 VDC, +5.0 VDC, or +12.0 VDC (See Part Numbering Guide)    |
| FREQUENCY STABILITY vs. LOAD CHANGE ± 10% |        | ± 0.02 ppm max.  |
| FREQUENCY STABILITY vs. VOLTAGE ± 5%      |        | ± 0.02 ppm max.  |
| SUPPLY CURRENT CONSUMPTION                |        | 3.0W(max.) during warm-up; 1.0W(max.) when static              |
| WARM-UP TIME                              | AT Cut | ± 0.2 ppm, < 3 min.  |
|   | SC Cut | ± 0.03 ppm, < 3 min.   |
| ADJUSTABLE FREQUENCY RANGE                | AT Cut | ± 5.0 ppm min.   |
|   | SC Cut | ± 1.0 ppm min.   |
| CONTROL VOLTAGE RANGE                     |        | 0 ~ 5 V, N/C option available                                  |
| SLOPE                                     |        | Positive   |
| LINEARITY                                 |        | ± 10 %   |
| PHASE NOISE (5V)                          |        | 1Hz, -95dBc/Hz typical   |
|   |        | 10Hz, -125dBc/Hz typical                                       |
|   |        | 100Hz, -135dBc/Hz typical                                      |
|   |        | 1KHz, -152dBc/Hz typical                                       |
|   |        | 10KHz, -157dBc/Hz typical                                      |
| STORAGE TEMPERATURE RANGE                 |        | -55 °C ~ +125 °C   |

**PACKAGE DIMENSIONS**


Unit : mm

| Pin Configuration |           |
|-------------------|-----------|
| 1                 | RF Output |
| 2                 | GND       |
| 3                 | VC or N/C |
| 4                 | Ref. V    |
| 5                 | VDC       |

**PART NUMBERING GUIDE**
