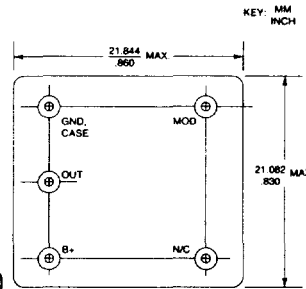
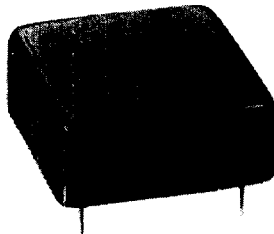


400 Reimann Ave., Sandwich, IL 60548 815-786-8411 FAX: 815-786-3600

### TEMPERATURE COMPENSATED CRYSTAL OSCILLATORS & TCVCXO'S STRATUM IV - SUBMINIATURE .25 CU. IN. VCXO

#### JKVXO-112



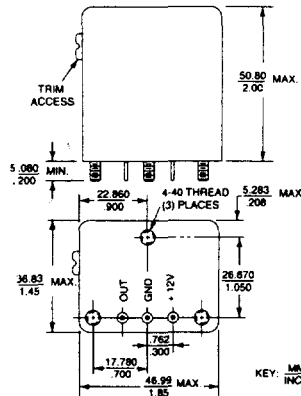
Size: 21.844 max x 17.878 max x 8.89 max (H)  
.86" max x .83" max x .35" max (H)

#### SPECIFICATIONS

|                                  |   |
|----------------------------------|---|
| FREQUENCY RANGE                  | 2-35 MHz  |
| FREQUENCY DEVIATION              | ±40 to ±90 ppm  |
| FREQUENCY VS. TEMPERATURE        | ±15 ppm, 0°C to +70°C   |
| OUTPUT                           | TTL or HCMOS  |
| INPUT                            | 5 VDC ±5%   |
| MODULATION INPUT VOLTAGE OPTIONS | -1) 0 VDC to +10 VDC, centered at 5 VDC<br>-2) 0 VDC to +5 VDC, centered at 2 VDC |

### TEMPERATURE COMPENSATED CRYSTAL OSCILLATORS & TCVCXO'S HIGH RELIABILITY- HIGH STABILITY - WIDE TEMPERATURE RANGE TCXO

#### JKXO-200

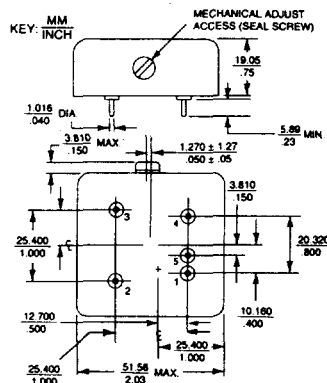
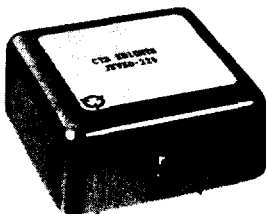


#### SPECIFICATIONS

|  |   |
|--|---|
| FREQUENCY VS. TEMP. -55°C TO +85°C INCLUDING HYSTERESIS        | ±5 x 10 <sup>-7</sup>   |
| 1°C/MIN TEMP. SLEW -55°C TO +85°C INCLUDING TRIM ADJUST EFFECT | ±7 x 10 <sup>-7</sup>   |
| STABILITY VS. TIME   | ±3 x 10 <sup>-7</sup> 1st yr.<br>±8 x 10 <sup>-7</sup> 5 yrs. |
| STABILITY VS. VOLTAGE (12V ±1V)                                | ±5 x 10 <sup>-8</sup>   |
| OUTPUT LEVEL: 50Ω LOAD   | .50 mV RMS  |
| 1000Ω LOAD   | 150 mV RMS  |
| WARM UP TO WITHIN ±5 x 10 <sup>-8</sup>                        | 10 seconds max.   |
| INPUT POWER AT +12V  | .50 mW max.   |

### TEMPERATURE COMPENSATED CRYSTAL OSCILLATORS & TCVCXO'S STRATUM III - HIGH STABILITY TCVCXO

#### JKVXO-220



#### SPECIFICATIONS

|  |   |
|--|---|
| FREQUENCY RANGE  | 1 MHz to 25 MHz   |
| EXCELLENT LONG TERM AGING  | <4 ppm in 20 years                                      |
| OPERATING RANGE  | 0 to +50°C or 0 to 70°C                                 |
| ±3 x 10 <sup>-7</sup> ΔF VS. TEMP. AT ANY DEVIATION VOLTAGE SETTING. |   |
| DEVIATION  | ±10 to ±15 ppm for 0 to +10V input, centered at +5 VDC. |
| TTL OR HCMOS OUTPUT  |   |
| AVAILABLE WITH OR WITHOUT TRIM ACCESS PORT.                          |   |
| +12V SUPPLY (OTHER VOLTAGES AVAILABLE).                              |   |

| PIN | FUNCTION        |
|-----|-----------------|
| 1   | OUT             |
| 2   | VCC             |
| 3   | ±VOLTS, CASE    |
| 4   | VCXO INPUT      |
| 5   | RF RETURN, CASE |

| TOLERANCE |       |
|-----------|-------|
| XX        | ±.01  |
| XX        | ±.015 |
| ±.76 MM   | ±.01  |
| ±.63      | ±.015 |