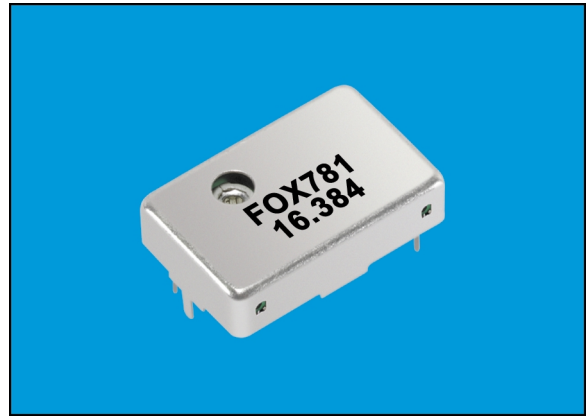


TCXO THRU-HOLE TEMPERATURE COMPENSATED CRYSTAL OSCILLATORS FOX781B/C

Fox Temperature Compensated Crystal Oscillators feature a highly stable output over wide variations in temperature. In addition, each unit contains a frequency adjust trimmer for tailoring to your needs. Applications for Fox TCXO's are in cellular radio, communications equipment, aerospace, and instrumentation.

FEATURES

- Tight Stability over Wide Temperature Range
- Adjustable Frequency
- Superior Quality
- Voltage Control Option - Fox781C**



ELECTRICAL CHARACTERISTICS - FOX781B/C (V_{DD} = 5.0V, Load = 10kΩ//10pF)

| PARAMETERS | CONDITIONS | FOX781B/C | | UNITS |
|--|-----------------------|--------------|--------------|-------|
| | | MIN | MAX | |
| Frequency Range (FO) | | 8.000 | 20.000* | MHz |
| Frequency Tolerance | T _a = 25°C | -1.0 | +1.0 | PPM |
| Frequency Stability | | | | |
| Over Temperature Range | -20°C ~ +75°C | -2.5 | +2.5 | PPM |
| Over Supply Voltage Change (5.0V ± 5%) | | -0.2 | +2.0 | |
| Over Load Change (10KΩ ± 10%/10pF 10%) | | -0.2 | +2.0 | |
| Temperature Range (TOPR) (TSTG) | | -20 -40 | +75 +80 | °C |
| Supply Voltage (V _{DD}) | | +4.75 | +5.25 | V |
| Output Waveform | (Clipped Sine Wave) | | | V |
| Peak-to-Peak Level | (V _{p-p}) | 1.0 | | |
| Input Current (I _{DD}) | | | 2.0 | mA |
| Aging (8.000 ~ 19.999999) (20.000) | Per Year @ 25°C | -1.0 -2.0 | +1.0 +2.0 | |
| Frequency Adjustment (Internal Timer) | | ±3.0 | | PPM |
| Pullability VCTCXO - FOX781C (2.5±-2.0V) | ** | | | |

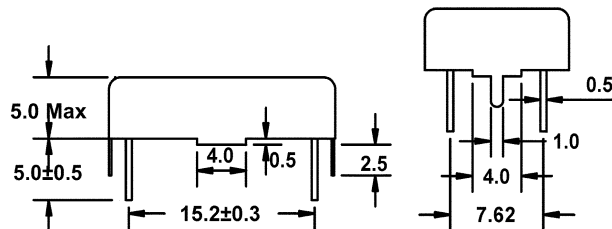
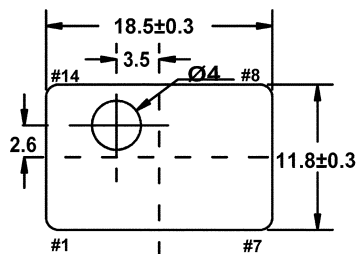
* Frequencies from 20.000+ MHz to 45.000 MHz available on an individual inquiry basis.

** VCTCXO version (FOX781C) available on an individual inquiry basis to custom customer specifications.

HC MOS Version (FOX782) available.

All specifications subject to change without notice. Rev. 03/02/00

TCXO



Pin Connections

| TCXO | VCTCXO |
|-----------|-----------|
| #7 GND | #1 VC |
| #8 OUTPUT | #7 GND |
| #14 Vcc | #8 OUTPUT |
| | #14 Vcc |

All dimensions are in millimeters.