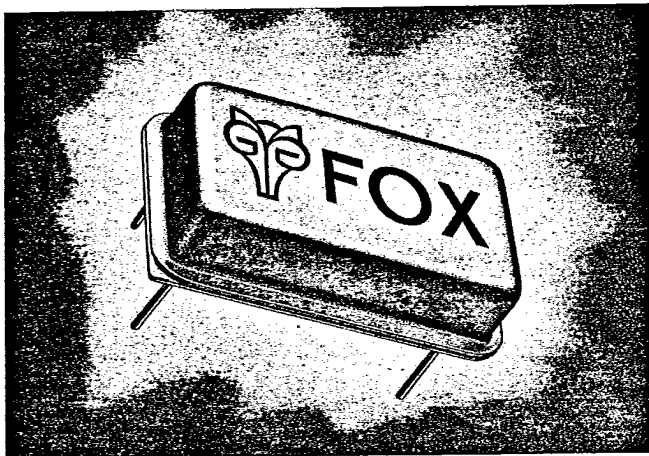
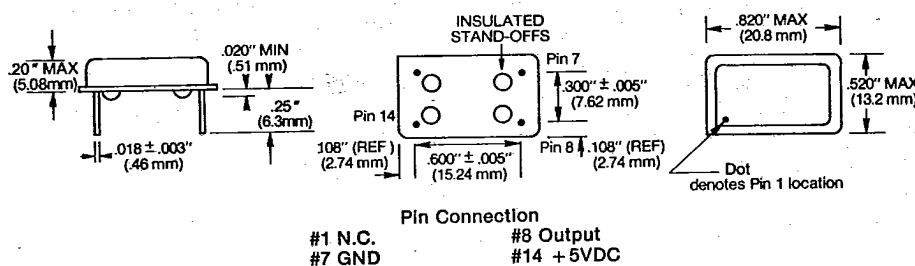


## F1100T / TRANSISTOR CLOCK OSCILLATOR



The FOX F1100T Clock Oscillators are Discrete Transistor Oscillators which are TTL Compatible and are low cost.

Fox oscillators feature a high quality welded package that offers a hermetic seal to provide excellent resistance to extremes of heat/humidity. With 7 pin case ground, the metal package also includes shielding to minimize RF radiation, helping to meet FCC EMI specifications. The Fox oscillators can be soldered in standard wave-line operations without damage. High insulated stand-offs permit good deflusing.



## FEATURES

- Rugged Resistance Weld
- Superior Quality
- Low Cost
- Low Profile
- Stainless Steel Cover
- Surface Mount Option

## SPECIFICATIONS

Frequency Range	4 MHz - 50 MHz
Frequency Stability *	$\pm 0.005\%$ , $\pm 0.01\%$
Operating Temperature Range	0°C to +70°C
Input Voltage	5 VDC $\pm 10\%$
Input Current	35 mA (MAX)
TTL Output: Symmetry @ 1.4 V	40/60% (MAX)
Rise/Fall Time (0.4 V to 2.4 V)	10 nS (MAX)
Logic '0' Level	0.4 V (MAX)
Logic '1' Level	2.4 V (MIN)
Output Load	1 - 10 TTL Gates
Start-up Time	20 mS (MAX)
Shock	1000 G's, 0.35 Millisec, 1/2 Sine Wave, 3 Shocks each plane
Vibration	10-55 Hz, 0.060" D.A., 55-2000 Hz, 35 G's, Duration Time 12 Hours
Humidity	85% Relative Humidity, 85°C, 250 Hours
Hermetic Seal	Leak Rate less than $2 \times 10^{-8}$ Atmos. CC/sec. of Helium

\* Inclusive of 25°C tolerance, operating temperature range, input voltage change, load change, aging, shock, and vibration.  
All specifications subject to change without notice.