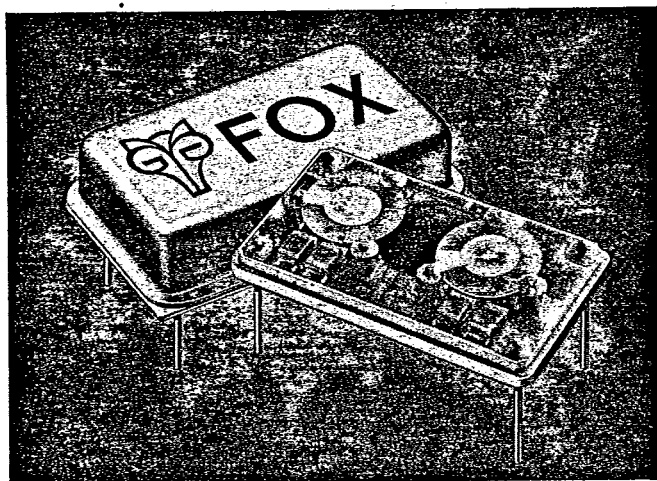


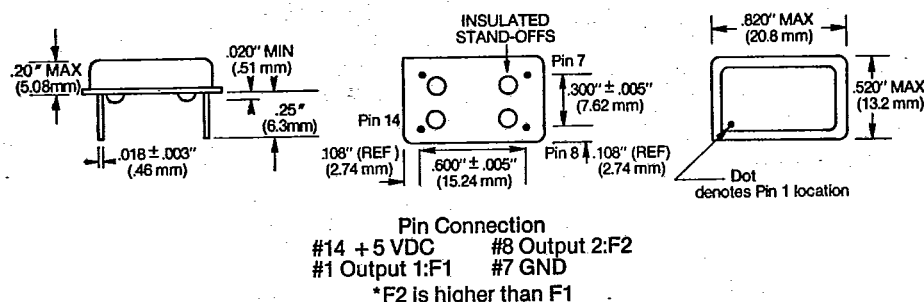
F5C-S7 / HIGH SPEED CMOS INDEPENDENT DUAL OUTPUT OSCILLATOR



The FOX F5C-S7 Independent Dual Output Oscillator employs two separate crystals to obtain two different frequencies from one package. With two separate crystals, one frequency is not dependent on the other.

The F5C-S7 uses HCMOS circuitry so it has sharp rise and fall times. Since any two frequencies between 8MHz - 25MHz can be specified, the F5C-S7 is perfect for applications using two microprocessors running at separate clock speeds.

The package is all metal with Pin 7 as case ground which provides shielding to help minimize EMI radiation.



FEATURES

- Rugged Resistance Weld
- Low Profile
- Space Saving
- Thick Film Technology
- Superior Quality
- Stainless Steel Cover
- Surface Mount Option

SPECIFICATIONS

Frequency Range	F1 -- 8 MHz - 25 MHz (See note below for frequency options) F2 -- 8 MHz - 25 MHz
Frequency Stability *	±0.01%
Operating Temperature Range	-10°C to +70°C
Storage Temperature Range	-55°C to +125°C
Input Voltage	5 VDC ±10%
Input Current	30 mA (MAX)
Symmetry	45/55% (MAX)
Rise/Fall Time (0.5 V to 4.5 VDC)	5 nS (TYP), 10 nS (MAX)
Start-up Time	0.5 mS (TYP), 5 mS (MAX)
Logic '0' Level	0.5 V (MAX)
Logic '1' Level	4.5 V (MIN)
Output Load	50 pF (MAX)
Shock	1000 G's, 0.35 mS, 1/2 Sine Wave, 3 Shocks each plane
Vibration	10-55Hz, 0.060" D.A., 55-2000Hz, 35 G's, Duration Time 12 Hrs
Humidity	85% Relative Humidity, 85°C, 250 Hrs
Hermetic Seal	Leak Rate less than 2×10^{-8} Atmos. CC/sec of Helium

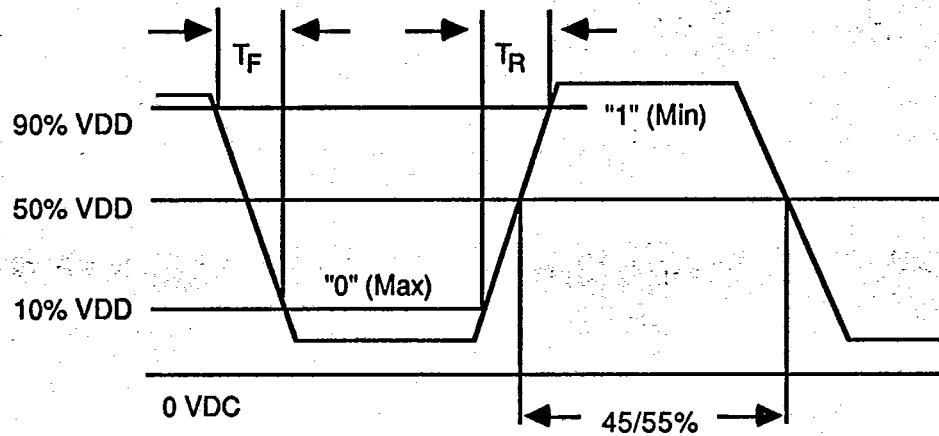
Note: Wider frequency range available for certain frequency combinations - send your individual inquiry.

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

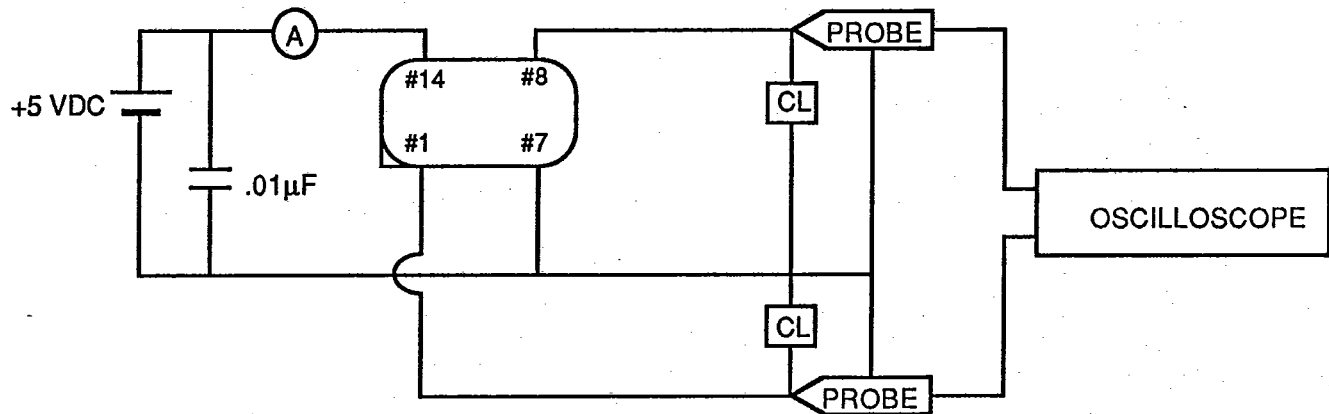
STANDARD FREQUENCIES LIST (F1, F2)

8.00000 MHz	15.0000 MHz
9.83040 MHz	16.0000 MHz
10.00000 MHz	16.2570 MHz
10.20000 MHz	16.8000 MHz
11.00000 MHz	18.0000 MHz
12.00000 MHz	18.4320 MHz
12.50000 MHz	19.6608 MHz
14.00000 MHz	20.0000 MHz
14.31818 MHz	24.0000 MHz
14.74560 MHz	25.0000 MHz

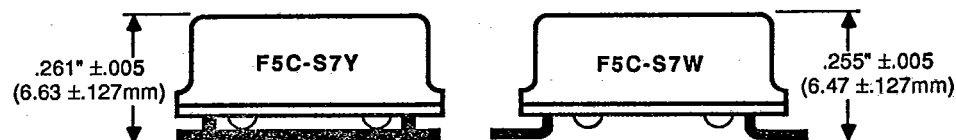
OSCILLATOR WAVE SHAPE



CLOCK OSCILLATOR TEST CIRCUIT



SURFACE MOUNT CAPABILITY



All specifications subject to change without notice.