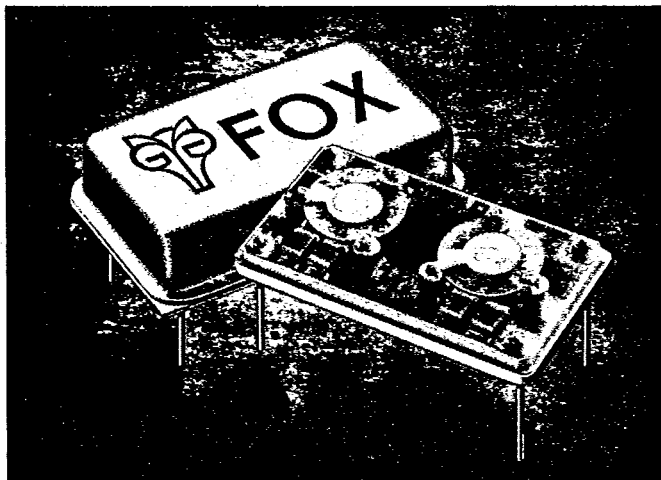


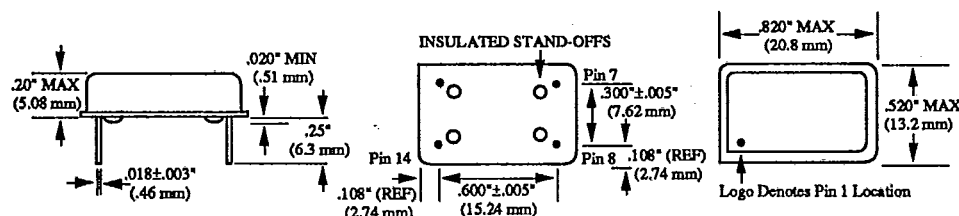
F5C-7/HCMOS INDEPENDENT DUAL OUTPUT OSCILLATOR



The FOX F5C-7 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-7 uses HCMOS circuitry so it has sharp rise and fall times. The F5C-7 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.



Pin Connections

#1 Output 1:F1 #8 Output 2:F2
#7 GND #14 +5VDC

*F2 is higher than F1

FEATURES

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

F5C-7 SPECIFICATIONS

Frequency Range	F1 -- 1.5 MHz - 32 MHz F2 -- 8.0 MHz - 50 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	50 mA (MAX)
Symmetry	40/60% (MAX)**
Rise/Fall Time (0.5 V to 4.5 VDC)	5 nS (TYP), 10 nS (MAX)
Start-up Time	0.5 mS (TYP), 10 mS (MAX)
Logic '0' Level	0.5 V (MAX)
Logic '1' Level	4.5 V (MIN)
Output Load	15 pF (TYP)
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

* Inclusive of 25°C tolerance, operating temperature range, input voltage change, load change, aging, shock, and vibration.

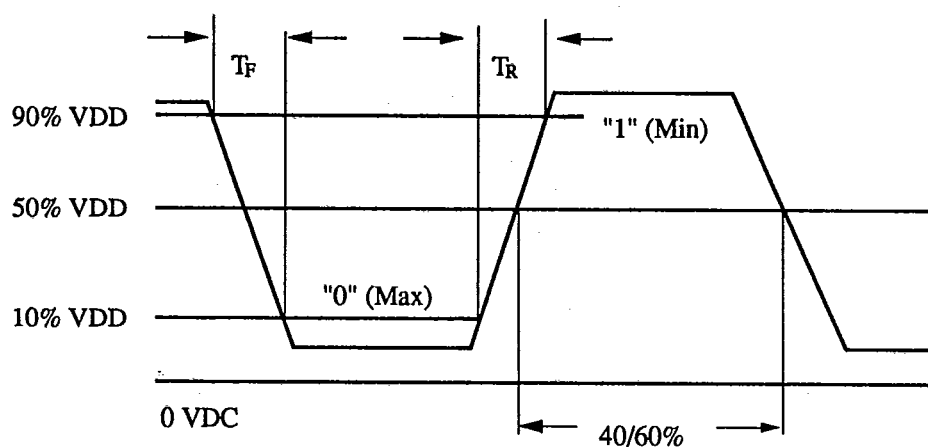
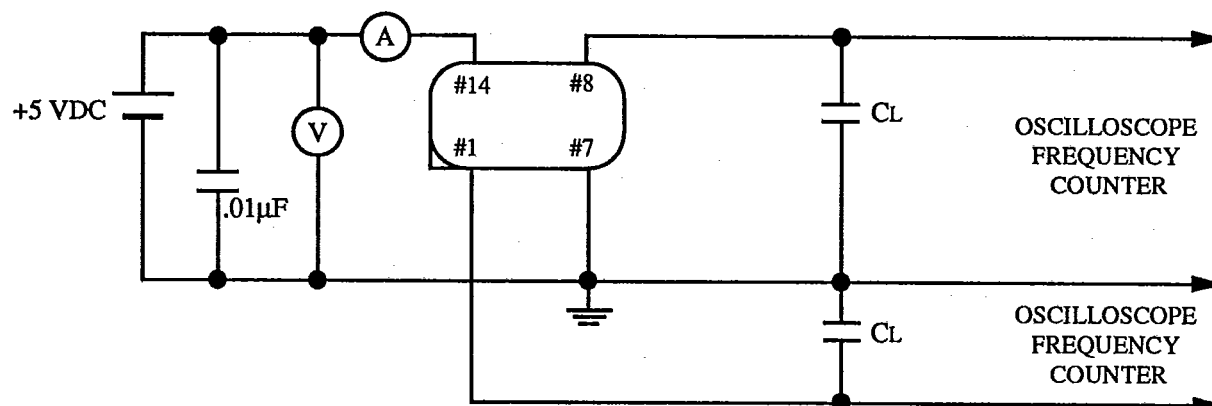
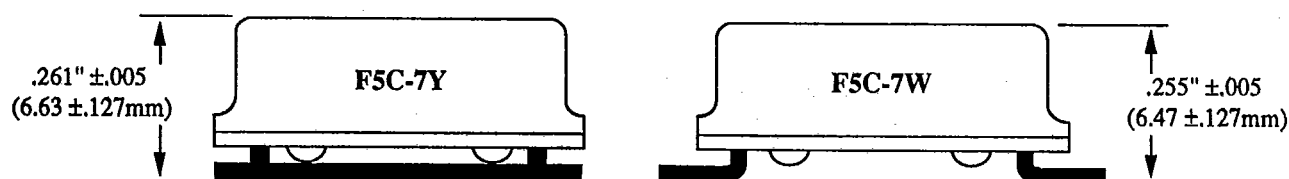
** 45/55% (MAX) is standard when F1 & F2 are between 8 and 25 MHz. (Part # F5C-S7)

All specifications subject to change without notice.

F5C-7 FREQUENCY COMBINATIONS CURRENTLY IN USE

1.8432/24.000 MHz	14.31818/16.09824 MHz	16.257/16.872 MHz
10.240/16.000 MHz	14.31818/24.000 MHz	25.175/28.321 MHz
10.240/20.000 MHz	14.31818/48.000 MHz	25.175/28.322 MHz
14.31818/16.000 MHz	16.000/20.000 MHz	

For other frequency combinations please call customer service.

OSCILLATOR WAVE SHAPE**CLOCK OSCILLATOR TEST CIRCUIT****SURFACE MOUNT CAPABILITY**

All specifications subject to change without notice.