

HCMOS OSCILLATOR F5C

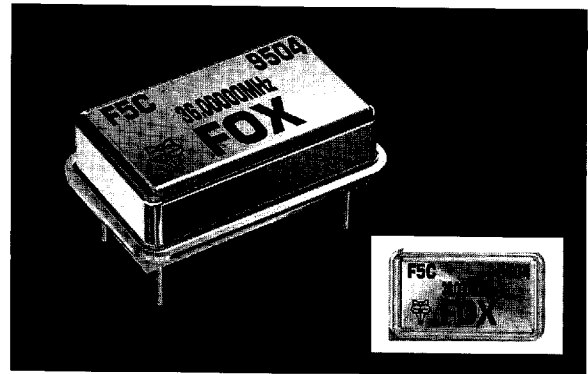
The F5C is a hybrid clock oscillator capable of driving HCMOS circuitry and up to 10 LS-TTL loads. The low current drain makes the part well suited for low power HCMOS applications. The package is all metal with pin 7 as case ground which provides shielding to help minimize EMI radiation.

FEATURES

- 15pF HCMOS Load
- 10 LSTTL Fanout
- Low Power Consumption
- Rugged Resistance Weld

• PART NUMBER SELECTION

Frequency Stability	Part Number
±100PPM	F5C
±50PPM	F6C
±25PPM	F7C



Actual Size

OSCILLATORS

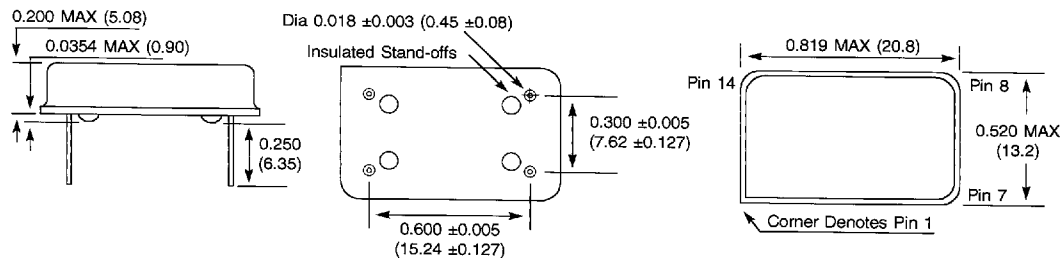
• ELECTRICAL CHARACTERISTICS (Ta = 25°C, VDD = 5.0V, CL = 15pF)

PARAMETERS	FREQUENCY RANGE	CONDITIONS	MIN	MAX	UNITS
Frequency Range (Fo)			4.000	50.000	MHz
Frequency Stability	4.000 ~ 50.000	All Conditions *	-100	+100	PPM
Temperature	4.000 ~ 50.000				
Operating (TOPR)			-10	+70	°C
Storage (TSTG)			-55	+125	
Supply Voltage (VDD)	4.000 ~ 50.000		+4.5	+5.5	V
Input Current (IDD)	4.000 ~ 25.000			13	mA
	25.000+ ~ 50.000			30	
Output Symmetry		2.5V	45	55	%
Rise Time (TR)	4.000 ~ 50.000	0.5V ~ 4.5V		6	nS
Fall Time (TF)	4.000 ~ 50.000	4.5V ~ 0.5V		6	
Output Voltage (VOL)	4.000 ~ 50.000	IOL = 4 mA		0.5	V
(VOH)		IOH = -4 mA	4.5		
Output Current (IOL)	4.000 ~ 50.000	VOL = 0.5 V		4	mA
(IOH)		VOH = 4.5 V		-4	
Output Load	4.000 ~ 50.000	TTL		10	LSTTL
		HCMOS		15	pF
Start-up Time (Ts)	4.000 ~ 50.000			10	mS

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

See page 33 for environmental/mechanical specifications, test circuits, and output waveform.

All specifications subject to change without notice. Rev. 10/1/96



Pin Connections
#1 N.C. #8 Output
#7 GND (Case) #14 +5VDC

Inch dimensions shall govern.
All dimensions are in inches & parenthetically in millimeters.

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