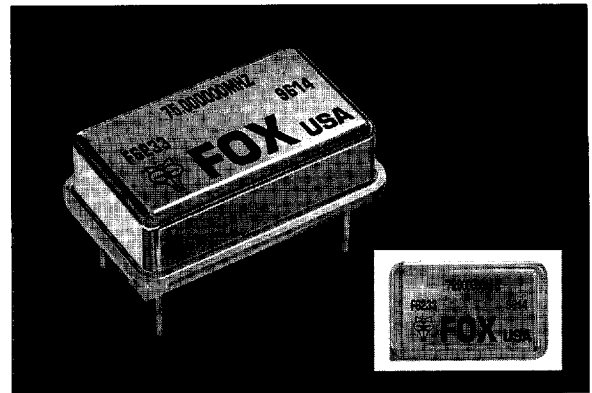


QUICK DELIVERY OSCILLATOR F6233

The F6233 is an HCMOS/TTL 14 pin dip metal can oscillator with one primary advantage - Quick Delivery for frequencies in the range of 0.9MHz to 135MHz. The F6233 is perfect for getting custom frequencies fast.

FEATURES

- Quick Delivery
- HCMOS/TTL
- Wide Frequency Range
- Industry Standard Footprint
- Tri-state Enable/Disable
- Grounded metal cover reduces EMI
- Internal Bypass Capacitors - no external components required



Actual Size



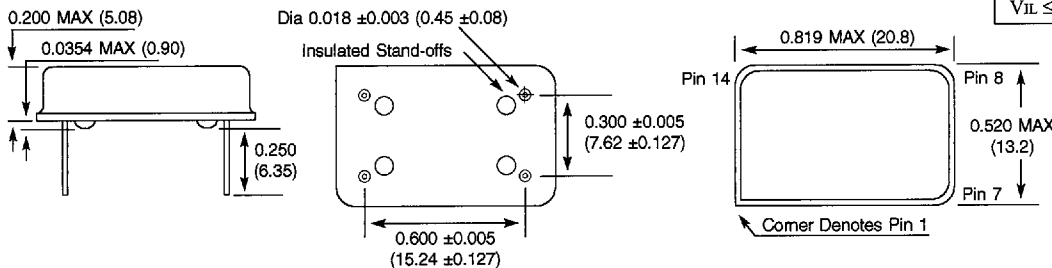
• ELECTRICAL CHARACTERISTICS (Ta = 25°C, VDD = 5.0V, CL = Max load)

PARAMETERS	FREQUENCY RANGE	CONDITIONS	MIN	MAX	UNITS
Frequency Range (Fo)			0.9	135.000	MHz
Frequency Stability	0.900 ~ 135.000*	All Conditions *	-100	+100	PPM
Temperature Range	0.900 ~ 135.000*				
Operating (TOPR)			0	+70	°C
Storage (TSTG)			-55	+125	
Supply Voltage (VDD)	0.900 ~ 135.000*		+4.5	+5.5	V
Input Current (IDD)	0.900 ~ 135.000*			55	mA
Output Symmetry	0.900 ~ 135.000*	2.5V	40	60	%
Rise Time (TR)	0.900 ~ 135.000*	0.5V ~ 4.5V		3.5	nS
Fall Time (TF)	0.900 ~ 135.000*	4.5V ~ 0.5V		3.5	nS
Output Voltage (VOL)	0.900 ~ 135.000*	IOL = 4 mA		0.5	V
(VOH)		IOH = -4mA	4.5		
Output Current (IOL)	0.900 ~ 135.000*	VOL = 0.5V		4	mA
(IOH)		VOH = 4.5V		-4	
Output Load	0.900 ~ 90.000	TTL Load		2	TTL
	0.900 ~ 135.000*	HCMOS Load		25	pF
Leakage Current (Ioz)	0.900 ~ 135.000*			10	µA
Enable/Disable Time	0.900 ~ 135.000*			12	nS

* 90MHz to 135MHz available based on load, temperature range and VDD. Please contact Fox Engineering for frequencies in this range.
 *** An internal pullup resistor from pin 1 to pin 14 allows active output if pin 1 is floating.
 All specifications subject to change without notice. Rev. 10/1/96

• ENABLE / DISABLE FUNCTION**

INH (Pin 1)	OUTPUT (Pin 8)
N.C. ***	ACTIVE
V _{IH} ≥ 2.0 V	ACTIVE
V _{IL} ≤ 0.8 V	High Z



Pin Connections
 #1 E/D or N.C.** #8 Output
 #7 GND (Case) #14 VDD

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