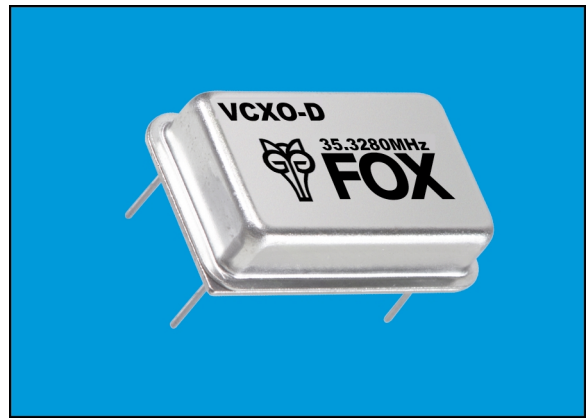


3.3V VOLTAGE CONTROLLED CRYSTAL OSCILLATOR VCXO-D

The VCXO-D series is a cost effective 3.3V voltage controlled crystal oscillator. This oscillator is designed to be used in applications requiring a general purpose VCXO with excellent cost vs performance characteristics.



FEATURES

- HCMOS Output
- Pullability
- Tight Stabilities
- Low Power Consumption
- Rugged Resistance Weld

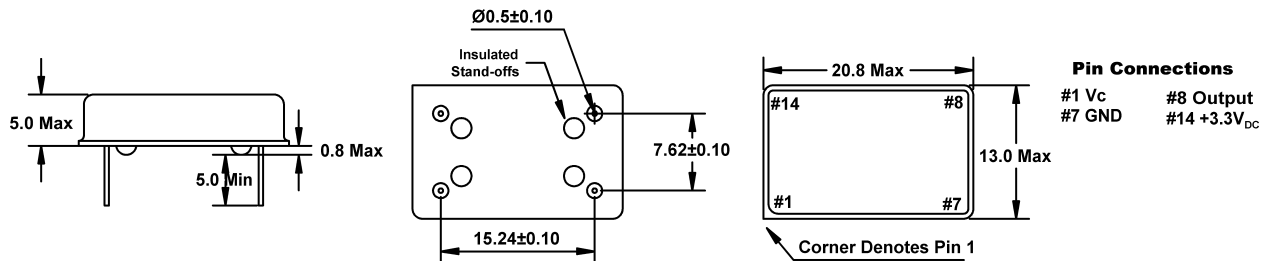
• MODEL NUMBER SELECTION		
Model Number	Stability (MAX)*	Pullability(MIN) Vc = 1.65 ± 1.65V
VCXO-D3	±50	±100
VCXO-D4	±25	±100
VCXO-D7	±25	±50
VCXO-D8	±100	±100

• ELECTRICAL CHARACTERISTICS (VDD = 3.3V, CL = 15pF)

PARAMETERS	FREQUENCY RANGE	CONDITIONS	MIN	MAX	UNITS
Frequency Range (Fo)			1.000	40.500	MHz
Temperature Range	1.000 ~ 40.500				
Operating (TOPR)			-10	+70	°C
Storage (TSTG)			-55	+125	
Supply Voltage (VDD)	1.000 ~ 40.500		3.135	3.465	V
Control Voltage (Vc)	1.000 ~ 40.500		0.0	3.3	V
Input Current (IDD)	1.000 ~ 24.000			10	mA
	24.000+ ~ 35.000			15	
	35.000+ ~ 40.500			25	
Output Symmetry	1.000 ~ 40.500	1.65V	40	60	%
Rise Time (TR)	1.000 ~ 40.500	0.3V ~ 2.9V		10	nS
Fall Time (TF)	1.000 ~ 40.500	2.9V ~ 0.3V		10	
Output Voltage (VOL)	1.000 ~ 40.500	IOL = 4.0 mA		0.3	V
(VOH)		IOH = -1.0 mA	2.9		
Output Current (IOL)	1.000 ~ 40.500	VOL = 0.3 V		4.0	mA
(IOH)		VOH = 2.9V		-1.0	
Output Load	1.000 ~ 40.500	HCMOS Load		15	pF
Start-up Time (TS)	1.000 ~ 40.500			10	mS
Frequency Linearity	1.000 ~ 40.500		-10	+10	%

* Inclusive of 25°C tolerance, operating temperature range, input voltage change, load change, aging, shock, vibration and Vc = 2.5V.
All specifications subject to change without notice.

** Higher frequencies available on an individual inquiry basis. Rev. 07/31/00



All dimensions are in millimeters.