3.3V THRU-HOLE VOLTAGE CONTROLLED CRYSTAL OSCILLATOR

VCXO-D

FEATURES

- 3.3V Operation
- HCMOS Output
- Low Power Consumption
- Rugged Resistance Weld

OPTIONS

- Many Stability/Pullability Options
- -40ºC ~ +85ºC Option ('R' Version)
- 1/2 Size Version Available

• MODEL NUMBER SELECTION

Model Number	Frequency Stability[1]	Frequency Pullability	Operating Temperature (ºC)	Frequency Range (MHz)
VCXO-D3	±50PPM	±100PPM	-10 ~ +70	1.000 ~ 40.500
VCXO-D3R	±50PPM	±100PPM	-40 ~ +85	1.000 ~ 40.500
VCXO-D4	±25PPM	±100PPM	-10 ~ +70	1.000 ~ 40.500
VCXO-D4R	±25PPM	±100PPM	-40 ~ +85	1.000 ~ 40.500
VCXO-D7	±25PPM	±50PPM	-10 ~ +70	1.000 ~ 40.500
VCXO-D7R	±25PPM	±50PPM	-40 ~ +85	1.000 ~ 40.500
VCXO-D8	±100PPM	±100PPM	-10 ~ +70	1.000 ~ 40.500
VCXO-D8R	±100PPM	±100PPM	-40 ~ +85	1.000 ~ 40.500

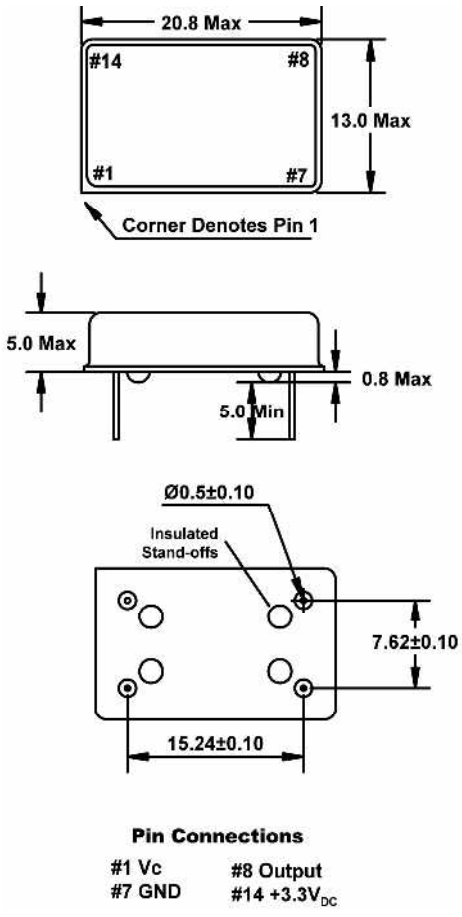
• ELECTRICAL CHARACTERISTICS

PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	1.000 ~ 40.500[2] MHz
Storage Temperature Range (Tstg)	-55ºC ~ +125ºC
Supply Voltage (Vdd)	3.3V ± 5%
Control Voltage (Vc)	1.65V ± 1.65V
Input Current (Idd)	
1.000 ~ 24.000 MHz	10mA
24.000+ ~ 35.000 MHz	15mA
35.000+ ~ 40.500 MHz	25mA
Output Symmetry (50% Vdd)	40% ~ 60%
Rise Time (10% ~ 90% Vdd) (Tr)	10nS
Fall Time (90% ~ 10% Vdd) (Tf)	10nS
Output Voltage (Vol)	10% Vdd
(Voh)	90% Vdd Min
Output Current (Iol)	4.0mA Min
(Ioh)	-1.0mA Min
Output Load (HCMOS)	15pF
Start-up Time (Ts)	10mS
Frequency Linearity	±10%

[1] Inclusive of 25ºC tolerance, operating temperature range, input voltage change, load change, aging, shock, vibration, and Vc = 1.65V.

[2] Higher frequencies available on an individual inquiry basis.

All specifications subject to change without notice. *Rev. 02/10/03*



All dimensions are in millimeters.