



5.0V THRU-HOLE VOLTAGE CONTROLLED CRYSTAL OSCILLATOR

MODEL: VCXO-C

FEATURES

- 5.0V Operation
- HCMOS/TTL Output
- Rugged Resistance Weld

OPTIONS

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



Discontinued

• PART NUMBER SELECTION [Learn More](#) - Internet Required

Part Number	Model Number	Frequency Stability ¹	Frequency Pullability	Operating Temperature	Frequency Range (MHz)
458-Frequency-xxxxx	VCXO-C2	±50PPM	±200PPM	-10 ~ +70 (°C)	1.000 ~ 40.000
466-Frequency-xxxxx	VCXO-C2R	±50PPM	±200PPM	-40 ~ +85 (°C)	1.000 ~ 40.000
317-Frequency-xxxxx	VCXO-C3	±50PPM	±100PPM	-10 ~ +70 (°C)	1.000 ~ 40.000
467-Frequency-xxxxx	VCXO-C3R	±50PPM	±100PPM	-40 ~ +85 (°C)	1.000 ~ 40.000
318-Frequency-xxxxx	VCXO-C4	±25PPM	±100PPM	-10 ~ +70 (°C)	1.000 ~ 40.000
468-Frequency-xxxxx	VCXO-C4R	±25PPM	±100PPM	-40 ~ +85 (°C)	1.000 ~ 40.000
319-Frequency-xxxxx	VCXO-C7	±25PPM	±50PPM	-10 ~ +70 (°C)	1.000 ~ 40.000
469-Frequency-xxxxx	VCXO-C7R	±25PPM	±50PPM	-40 ~ +85 (°C)	1.000 ~ 40.000
320-Frequency-xxxxx	VCXO-C8	±100PPM	±100PPM	-10 ~ +70 (°C)	1.000 ~ 40.000
470-Frequency-xxxxx	VCXO-C8R	±100PPM	±100PPM	-40 ~ +85 (°C)	1.000 ~ 40.000

• ELECTRICAL CHARACTERISTICS

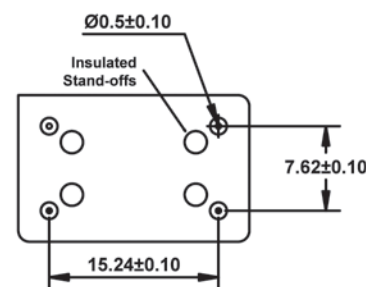
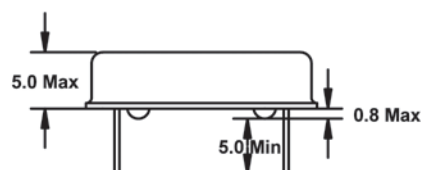
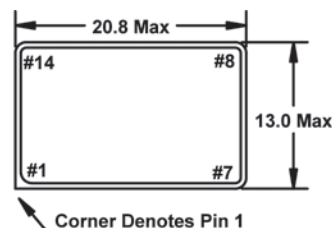
PARAMETERS	MAX (unless otherwise noted)
Frequency Range (Fo)	1.000 ~ 40.000 ² MHz
Storage Temperature Range (T _{STG})	-40°C ~ +85°C
Supply Voltage (V _{DD})	5.0V ± 5%
Control Voltage (V _c)	2.5V ± 2V
Input Current (I _{DD})	
1.000 ~ 24.000 MHz	15mA
24.000+ ~ 30.000 MHz	20mA
30.000+ ~ 40.000 MHz	30mA
Output Symmetry (50% V _{DD})	40% ~ 60%
Rise Time (10% ~ 90% V _{DD}) (T _R)	10nS
Fall Time (90% ~ 10% V _{DD}) (T _F)	10nS
Output Voltage (V _{OL})	10% V _{DD}
(V _{OH})	90% V _{DD} Min
Output Current (I _{OL})	3.2mA Min
(I _{OH})	-0.1mA Min
Output Load	
TTL	8 LSTTL
HCMOS	15pF
Start-up Time (T _s)	10mS
Phase Noise	
Fo + 1 kHz	-125 dBc/Hz
Fo + 10 kHz	-130 dBc/Hz
Linearity	±10%
Modulation	10kHz

¹ Inclusive of 25°C tolerance, operating temperature range, input voltage change, load change, aging, shock, vibration, and V_c = 2.5V.

² Higher frequencies available on an individual inquiry basis.

All specifications subject to change without notice. Rev. 6/1/04

Learn more about:
[Part Marking Identification](#)
Internet required



Pin Connections

#1 V_c #8 Output
#7 GND #14 +5V_{DC}

All dimensions are in millimeters.