

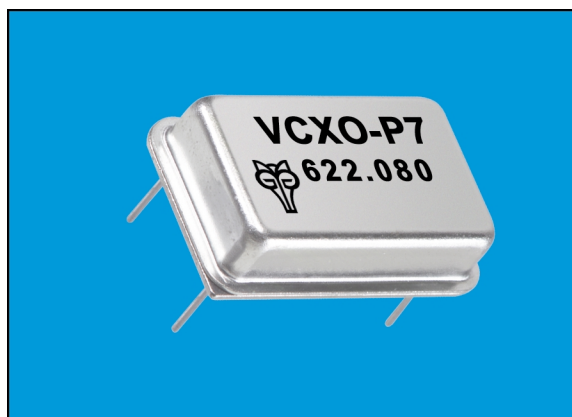
VOLTAGE CONTROLLED CRYSTAL OSCILLATOR

VCXO-P7

The VCXO-P7 is a PECL output oscillator with voltage control.

FEATURES

- 622.08 MHz
- PECL Output
- 5 Volt Operation
- ± 50 PPM Pullability
- $V_c = 2.5 \text{ Volt} \pm 2.0 \text{ Volt}$



• ELECTRICAL CHARACTERISTICS ($T_a = 0^\circ\text{C} \sim +70^\circ\text{C}$, $V_{DD}=5.0\text{V}$, $V_{TT}=3.0\text{V}$, $R_T=50\Omega$)				
PARAMETERS	CONDITIONS	MIN	MAX	UNITS
Frequency Range		622.080		MHz
Stability	All Conditions *	-50	+50	PPM
Temperature Range				
Operating (TOPR)		0	+70	$^\circ\text{C}$
Storage (TSTG)		-40	+85	
Supply Voltage (V_{DD})		+4.75	+5.25	V
Control Voltage (V_c)		+0.5	+4.5	V
Pullability	$V_c = 2.5 \pm 2.0\text{V}$	-50	+50	PPM
Input Current			120	mA
Output Symmetry	50%Vp-p	40	60	%
Rise Time	20%Vp-p ~ 80%Vp-p		0.5	nS
Fall Time	80%Vp-p ~ 20%Vp-p		0.5	
Output Voltage (V_{OL})	PECL		+3.40	V
(V_{OH})		+3.98		
Start-up Time (T_s)			10	mA
Linearity		-15	+15	%
Modulation Rate		5		kHz

* Inclusive of 25°C Tolerance, operating temperature range, input voltage change, load change, aging, and $V_c=2.5 \pm 2.0\text{V}$

