

VOLTAGE CONTROLLED CRYSTAL OSCILLATOR

VCXO-P3

The VCXO-P3 is a PECL output oscillator with voltage control.

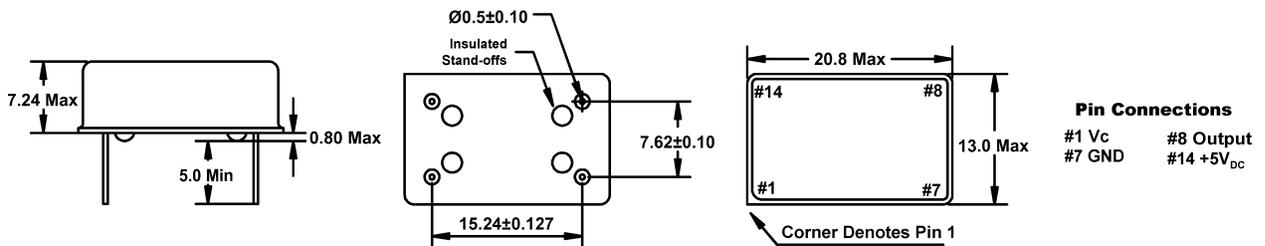
FEATURES

- 90.0 or 155.52 MHz
- PECL Output
- 5 Volt Operation
- ± 100 PPM Pullability
- $V_c = +2.5\text{Volts} \pm 2\text{Volts}$



• ELECTRICAL CHARACTERISTICS (Ta = -40°C ~ +85°C, VDD=5.0V, VTT=3.0V, RT=50Ω)				
PARAMETERS	CONDITIONS	MIN	MAX	UNITS
Frequency Range	90.000, 155.520	90.000	155.520	MHz
Stability	All Conditions *	-50	+50	PPM
Temperature Range				
Operating (TOPR)		-40	+85	°C
Storage (TSTG)		-40	+85	
Supply Voltage (VDD)		+4.75	+5.25	V
Control Voltage (Vc)		+0.5	+4.5	V
Pullability	Vc = 2.5±2.0V	-100	+100	PPM
Input Current			50	mA
Output Symmetry	50%Vp-p	40	60	%
Rise Time	20%Vp-p ~ 80%Vp-p		2	nS
Fall Time	80%Vp-p ~ 20%Vp-p		2	
Output Voltage (VOL)	PECL		+3.40	V
(VOH)		+3.98		
Start-up Time (Ts)			10	mA
Linearity		-15	+15	%
Modulation Rate		20		kHz

* Inclusive of 25°C Tolerance, operating temperature range, input voltage change, load change, aging, and Vc=2.5±2.0V



All dimensions are in millimeters.