

## STANDARD THROUGH HOLE VCXO (20.8 x 13.2 x 7.24mm)

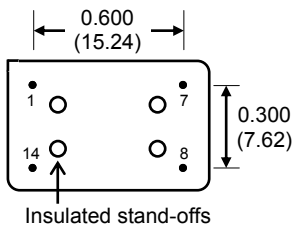
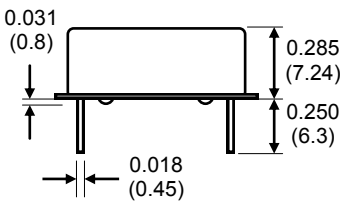
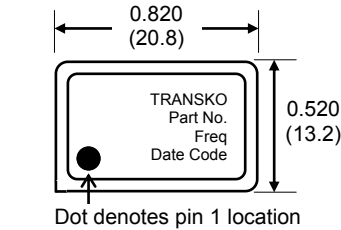
### FEATURES

- WIDE FREQUENCY RANGE
- WIDE PULLABILITY RANGE / LOW CURRENT
- FAST DELIVERY



MODEL		VCXO-650	VCXO-620
FREQUENCY		250 KHz ~ 200 MHz	
STABILITY	vs. TEMP.	±10ppm ~ ±50ppm	
	vs. SUPPLY VOLT.	±3.0ppm	
AGING / YEAR		±1.0ppm	
OPERATING TEMP.		0°C to +70°C or -40°C to 85°C	
STORAGE TEMP.		-40°C to +125°C	
OUTPUT	TYPE	HCMOS/TTL dual	SINEWAVE
	LOAD	15pF	50ohms
	SYMMETRY	50% ±10% or 50% ±5%	-
	OUTPUT LEVEL	90% / 10% Vdd	3.3V: 0dBm typ., 5.0V: 10dBm typ.
SUPPLY	VOLTAGE	5.0V ±5% or 3.3V ±5%	
	CURRENT	45mA max.	70mA max.
CONTROL VOLTAGE		5V: 2.5V±2.0V 3V: 1.65V ±1.35V (custom range available)	
PULLABILITY		±50ppm to ±1000ppm	

### PACKAGE DIMENSIONS



Unit : inch  
(mm)

#### Pin Configuration

1	V Control
7	Ground
8	Output
14	Vcc

### PART NUMBERING GUIDE

**VCXO - 650 F 25 ET S 50 - 27.000M**

#### Product series

#### VCxo Type

**650:** 5 Volt TTL/HCMOS  
**620:** 5 Volt Sinewave  
**Z option:** 3.3V supply  
**X option:** custom spec

#### Package Size

**F:** 14 pin DIP full size  
**H:** 8 pin DIP half size  
**FG:** 14 pin DIP full size gull-wing  
**HG:** 8 pin DIP half size gull-wing

#### Frequency Stability

**100:** +/-100ppm  
**50:** +/- 50ppm  
**25:** +/- 25ppm  
**15:** +/- 15ppm  
**10:** +/- 10ppm

#### Frequency

Please specify frequency in MHz

#### Pullability

**50:** ±50ppm  
**100:** ±100ppm  
**150:** ±150ppm  
**200:** ±200ppm  
**300:** ±300ppm  
**500:** ±500ppm  
**800:** ±800ppm  
 Higher pull available please consult factory

#### Symmetry

**Blank:** 60/40%  
**S:** 55/45%  
 Tighter symmetry available

#### Operating Temperature

**Blank:** 0° to 70°C  
**ET:** -40° to 85°C  
**MT:** -55° to 125°C