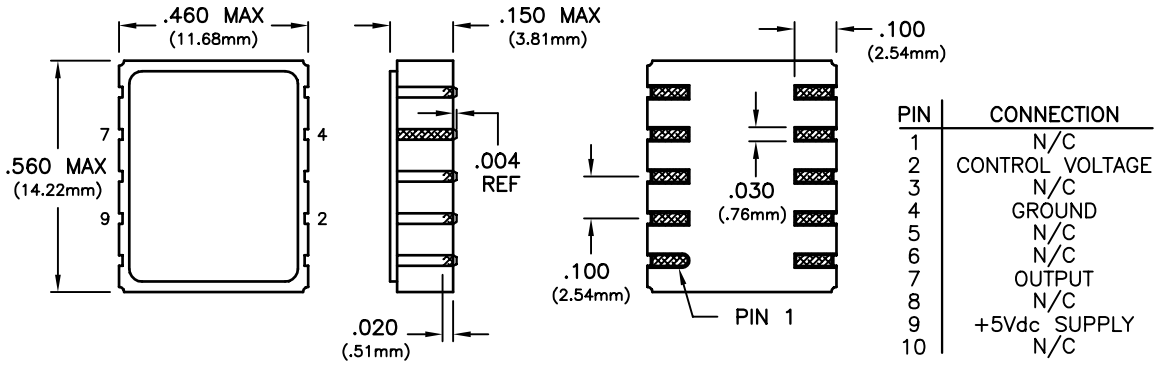
CONNOR WINFIELD

AURORA, IL 60505
PHONE (630) 851-4722
FAX (630) 851-5040
www.conwin.com

CRYSTAL CONTROLLED OSCILLATORS

ACMOS VCXO SURFACE MOUNT OSCILLATORS

SPECIFICATIONS			VSA61***	VSA62***	VSA63***	VSA64***
Frequency Range			30MHz to 100MHz			
Frequency Stability			±25ppm	±50ppm	±100ppm	±20ppm
Temperature Range			−40°C to +85°C			
Output	Waveform		CMOS Squarewave , TTL Compatible			
	Load		50pF			
	Voltage	Voh	4.40V Minimum			
		Vol	0.44V Maximum			
	Current	Ioh	−24mA (−16mA above 50MHz)			
		Iol	24mA (16mA above 50MHz)			
	Duty Cycle		45/55 Maximum Measured @ 2.5Vdc			
	Rise/Fall Time		3nS			
	Jitter		10pS RMS Maximum (1 Sigma)			
Frequency Control						
			Control Voltage Code (add to model number)			
			0	0.5 to 4.5Vdc	Positive Transfer Characteristic	
			1	0.0 to 5.0Vdc		
			Deviation Code (add to model number)			
			12	100 (±50ppm Minimum)		
			15	150 (±75ppm Minimum)		
			16	160 (±80ppm Minimum) Not available above 65MHz		
			22	200 (±100ppm Minimum) Not available above 65MHz		
	Center Frequency			2.5Vdc ±0.5Vdc		
	Monotonic Linearity		< ±10%			
	Input Impedance		≥50K ohm at ≤10KHz			
	Modulation Bandwidth		≥15KHz			
Supply Voltage			+5Vdc ±5%			
Supply Current			60mA Maximum			
Package			Hermetically sealed, leadless ceramic package			
Optional Suffix			T	Duty Cycle 45/55 Maximum Measured @1.4Vdc		



PIN	CONNECTION
1	N/C
2	CONTROL VOLTAGE
3	N/C
4	GROUND
5	N/C
6	N/C
7	OUTPUT
8	N/C
9	+5Vdc SUPPLY
10	N/C

Specifications subject to change without notice.

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ISSUED BY:

Dimensional Tolerance: ±.02" ±.005"

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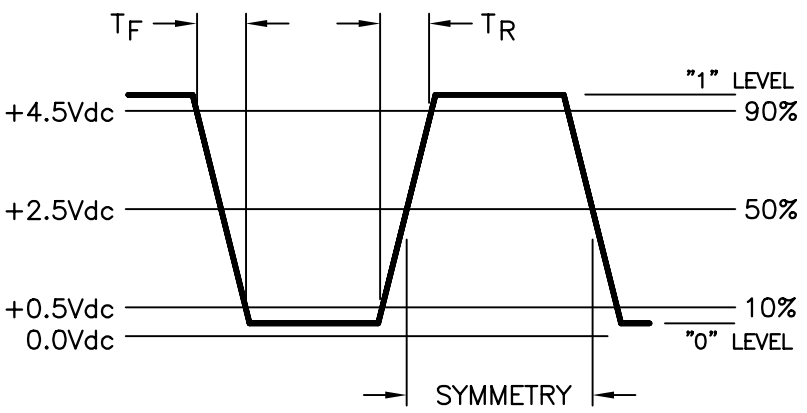
ACMOS VCXO SURFACE MOUNT OSCILLATORS

EXAMPLE MODEL NUMBER:

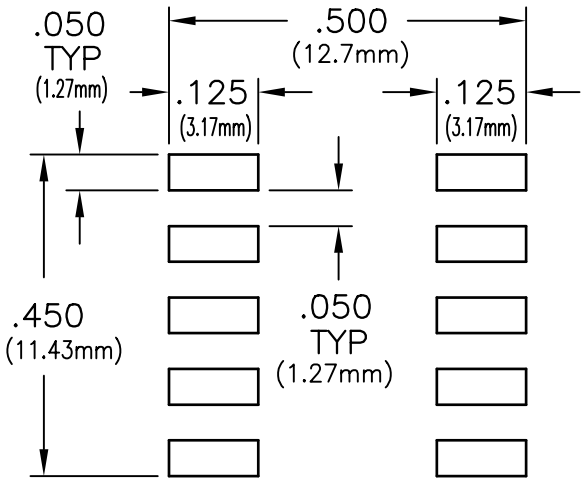
V S A 6 1 0 1 2 / 4 4 . 7 3 6 M H z

- V S A — SURFACE MOUNT VCXO SERIES
- 6 — CONTROL VOLTAGE 0.5 to 4.5Vdc
- 1 2 — MINIMUM DEVIATION OF ±50ppm OVER CONTROL VOLTAGE RANGE
- 4 4 . 7 3 6 M H z — CENTER FREQUENCY

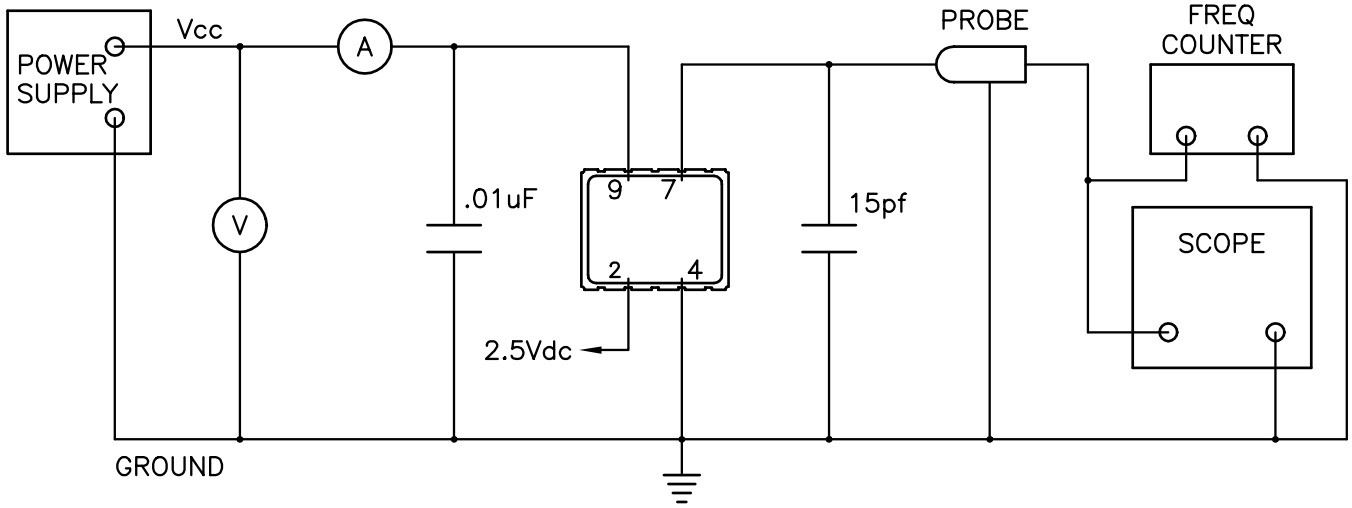
OUTPUT WAVEFORM



SUGGESTED PAD LAYOUT



TEST CIRCUIT



BULLETIN #: VX035	REV: 07	Specifications subject to change without notice.	C–W © 1999
PAGE 2 OF 2	DATE: 9/22/99	ISSUED BY:	Dimensional Tolerance: ±.02" ±.005"