CONNOR–WINFIELD CORPORATION

AURORA, IL. 60505
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OSCILLATORS

HIGH FREQUENCY

VCXO

SPECIFICATIONS			AV61–*	AV62–*	AV63–*	AV64–*
Frequency Range			30MHz to 100MHz			
Frequency Stability			±25ppm	±50ppm	±100ppm	±20ppm
Temperature Range			−40°C to +85°C			
Output	Waveform		ACMOS Squarewave, TTL Compatible			
	Voltage	Voh	4.4V Minimum			
		Vol	0.44V Maximum			
	Current	Ioh	−24mA			
		Iol	24mA			
	Duty Cycle		40/60 Maximum			
	Rise/Fall Time		3nS, 15pF Load			
Frequency Control			* Deviation Code (add to model number)			
		100	(±50ppm Minimum)			
		150	(±75ppm Minimum)			
		160	(±80ppm Minimum) Not available above 60MHz			
		200	(±100ppm Minimum) Not available above 60MHz			
			Positive Transfer Characteristic			
	Control Voltage		0.5Vdc to 4.5Vdc			
	Center Frequency		2.5Vdc ±0.5Vdc			
	Monotonic Linearity		< ±10%			
	Input Impedance		⩾ 50K ohms			
	Modulation Bandwidth		⩾ 15KHz			
Supply Voltage			+5Vdc ±5%			
Supply Current			35mA Max <50MHz , 60mA Max <90MHz			
Package			All metal, hermetically sealed, welded package			

WARNING! Do not insert oscillator into a hot circuit. Failure to comply will result in damage to oscillator.

Specifications subject to change without notice

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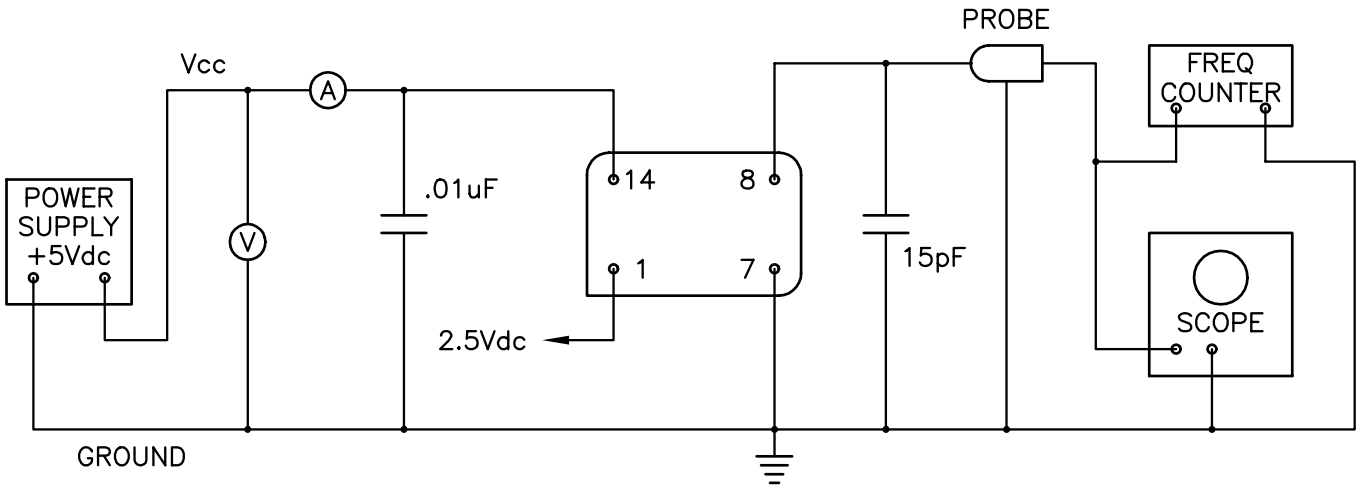
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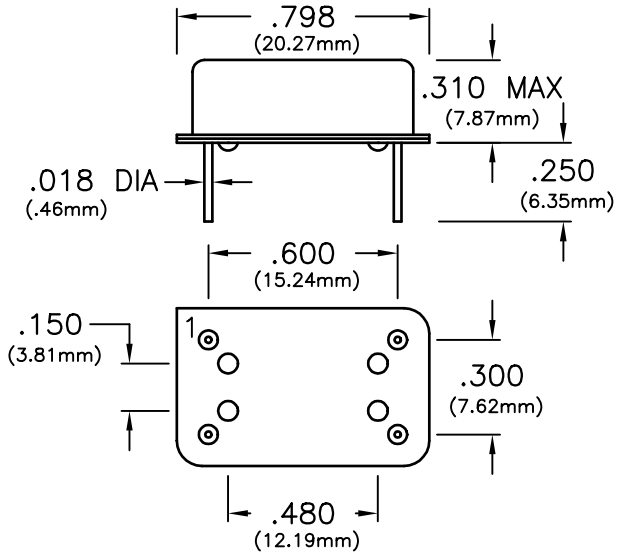
EXAMPLE MODEL NUMBER:

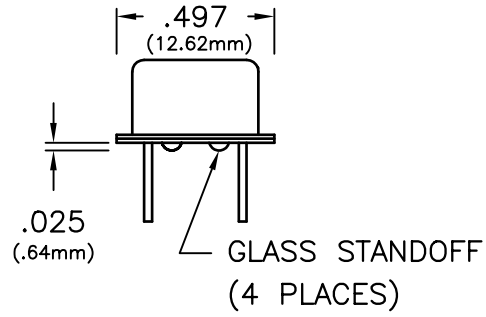
A V 6 3 – 1 0 0 / 4 4 . 7 3 6 M H z

- A V 6 3 – : VCXO SERIES
- 1 0 0 : MINIMUM DEVIATION OF ±50ppm FROM 0.5 TO 4.5Vdc CONTROL VOLTAGE.
- / 4 4 . 7 3 6 M H z : CENTER FREQUENCY

TEST CIRCUIT







PIN	CONNECTION
1	CONTROL VOLTAGE
7	GROUND (CASE)
8	OUTPUT
14	(+) SUPPLY

Dimensional Tolerance ±.005

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