



CONNOR-WINFIELD CORPORATION

AURORA, IL. 60505

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14 PIN DIP CMOS/TTL TCXO

SPECIFICATIONS		ATV1	ATV2	ATV3	ATV4
Frequency Range		2MHz to 50MHz			
Frequency vs Temperature (Vcc=5.00V , Vcontrol=2.50V)		±0.5ppm	±1.0ppm	±2.5ppm	±5.0ppm
Temperature Range		+20°C to +40°C	0°C to +50°C	0°C to +70°C	−30°C to +70°C
Calibration Tolerance @ 25°C		±2.5ppm (referenced to nominal frequency)			
Start Up Time		10mS Maximum			
Supply Voltage		+5Vdc ±5%			
Supply Current		35mA Maximum			
Output	Waveform	CMOS/TTL Squarewave			
	Load	50pF or 10 TTL Loads			
	Voltage	Voh	4.5V Maximum		
		Vol	0.4V Maximum		
	Current	Ioh	−16.0mA		
		Iol	16.0mA		
	Duty Cycle	40/60 Maximum measured @ 2.5V			
	Rise/Fall Time	6nS Maximum			
Frequency Control		Positive Transfer Characteristic			
Vcontrol (Pin 1)		0.5 to 4.5Vdc			
Avg Slope of Freq Adjust		4.0ppm/V Minimum			
Frequency Adjustment Range		±8ppm Minimum			
Linearity of Freq Adjust		±15% Maximum			
Calibration @ Vcontrol=2.50V (Vcc = 5.00V, 25°C)		±2.5ppm			
Input Impedance to Pin 1		10K Ohms Minimum			
Aging		≤1.0ppm/yr at 30°C			
Package		All metal, hermetically sealed, welded package.			

NOTE:

An external frequency adjust voltage must be applied to pin 1 to set calibration. A variable resistance potentiometer can be use to achieve precise calibration.

(See reverse side for circuit drawing)

Specifications subject to change without notice

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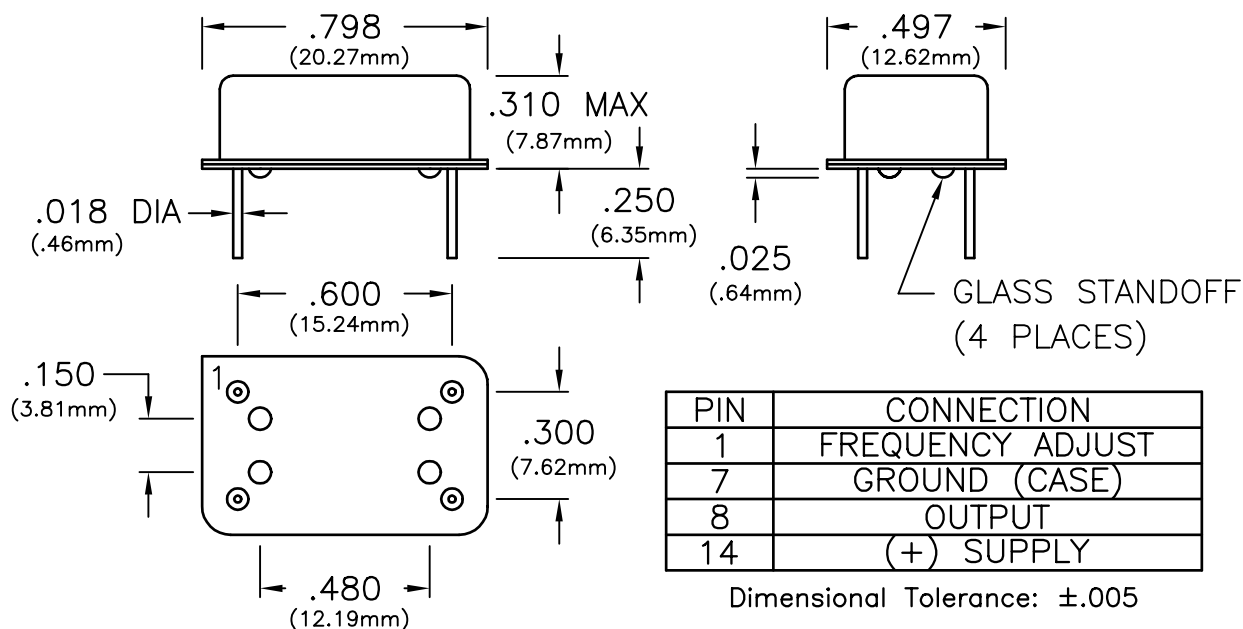
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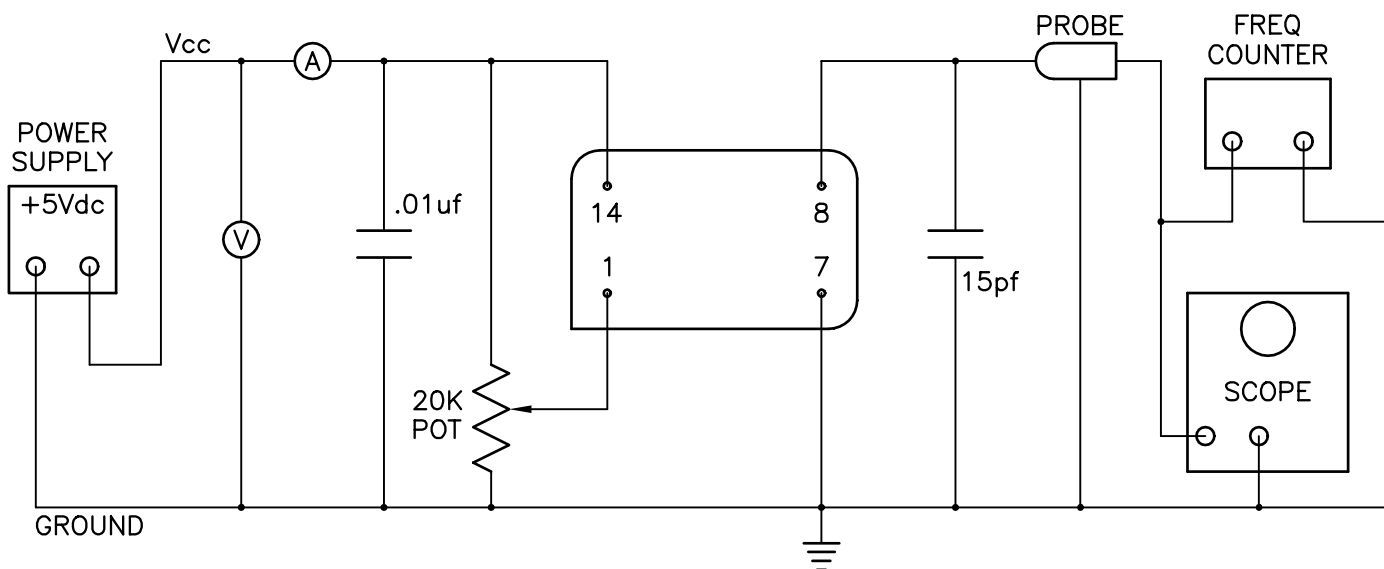
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14 PIN DIP HCMOS TCXO

PACKAGE OUTLINE



TEST DIAGRAM



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