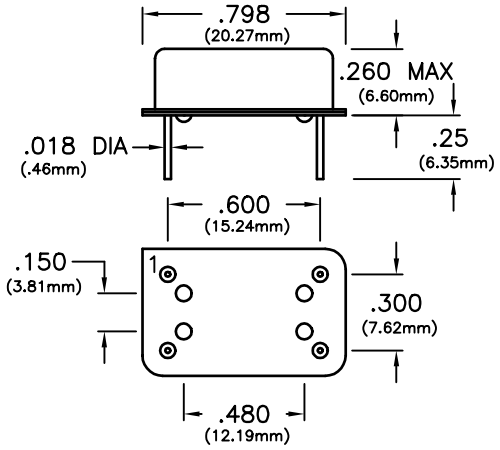
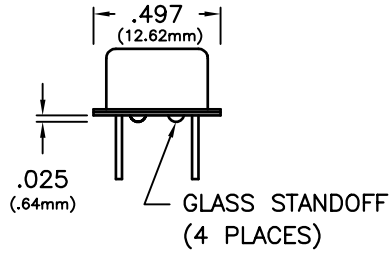
CONNOR–WINFIELD CORPORATION

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14 PIN DIP HCMOS VCO

SPECIFICATIONS			HCVR1A			HCVR2		
Center Frequency (Fo)			100KHz to 57.692MHz			100KHz to 52.174MHz		
Frequency Stability			±1%					
Temperature Range			0°C to +70°C					
Supply Voltage			+5Vdc ±5%					
Supply Current			25mA Maximum, 10mA Typical					
Output	Waveform		HCMOS Squarewave					
	Load		15pF					
	Voltage	Voh	4.5V Minimum					
		Vol	0.5V Maximum					
	Current	Ioh	−4mA					
		Iol	4mA					
	Duty Cycle		50/50 ±20% Max, ±10% Typ measured at 50% level					
	Rise/Fall Time		10nS Maximum, 5nS Typical					
	SSB Phase Noise (Typical)	@1KHz	−80dBc/Hz					
		@10KHz	−100dBc/Hz					
		@25KHz	−105dBc/Hz					
		@100KHz	−115dBc/Hz					
Frequency Control								
Control Voltage			0.0 to 5.0V Positive Transfer Characteristics					
Center Frequency			2V to 3V					
Input Impedance			>50K Ohms at 10KHz					
Modulation Bandwidth			⩽15KHz					
Deviation @ 25°C (Referenced to Fo)			HCVR1A			HCVR2		
			Min	Typ	Max	Min	Typ	Max
	0V Pin 1		−2%	−3%	−4%	−10%	−12%	−15%
	5V Pin 1		+2%	+3%	+4%	+10%	+12%	+15%





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

Specifications subject to change without notice