



CONNOR-WINFIELD CORPORATION

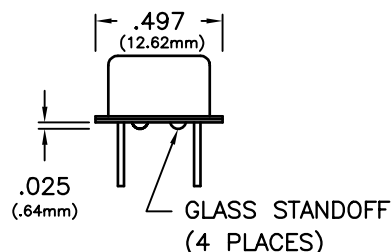
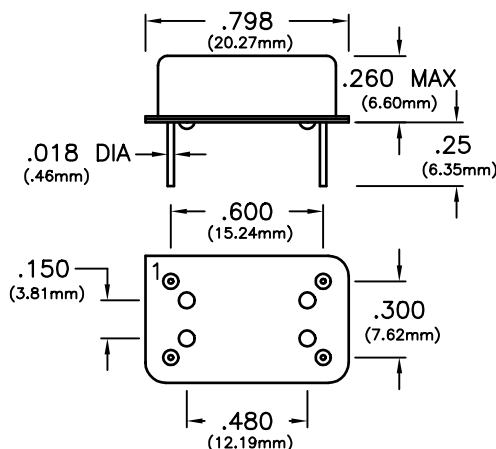
AURORA, IL. 60505

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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	@1KHz	−80dBc/Hz					
(Typical)	@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

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ISSUED BY: _____

Dimensional Tolerance: $\pm .02"$
 $\pm .005"$