



CONNOR-WINFIELD CORPORATION

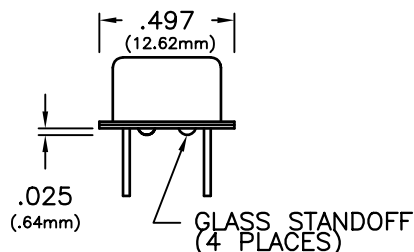
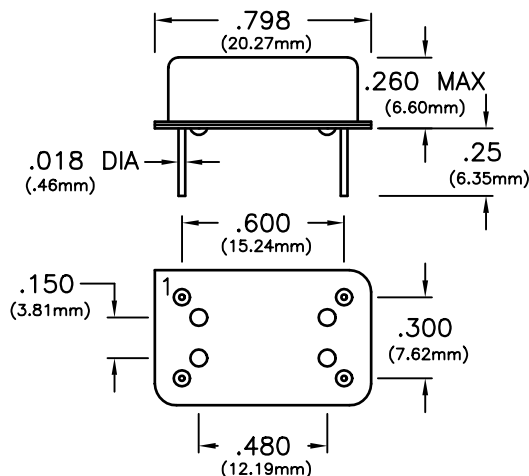
AURORA, IL. 60505

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14 PIN DIP ACMOS VCO

SPECIFICATIONS		AV53R4	
Center Frequency (Fo)		155.52MHz	
Frequency Stability		±1.5%	
Temperature Range		0°C to +70°C	
Supply Voltage		+5Vdc ±5%	
Supply Current		50mA Maximum, 30mA Typical	
Output	Waveform	CMOS Squarewave	
	Load	12pF	
	Voltage Voh	4.5V Minimum	
	Vol	0.5V Maximum	
	Current Ioh	-24mA	
	Iol	24mA	
	Duty Cycle	50/50 ±20% Max, ±10% Typ measured at 50% level	
	Rise/Fall Time	3nS Maximum	
SSB Phase Noise (Typical)	@1KHz	-80dBc/Hz	
	@10KHz	-100dBc/Hz	
	@25KHz	-105dBc/Hz	
	@100KHz	-115dBc/Hz	
Frequency Control			
Control Voltage		0.3 to 5.0Vdc Positive Transfer Characteristics	
Center Frequency		2V to 3V	
Input Impedance		>50K Ohms at 10KHz	
Modulation Bandwidth		<15KHz	
Deviation @ 25°C (Referenced to Fo)			
		Minimum	Maximum
0.3V Pin 1		-10%	-15%
5V Pin 1		+10%	+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: ±.02"
±.005"