

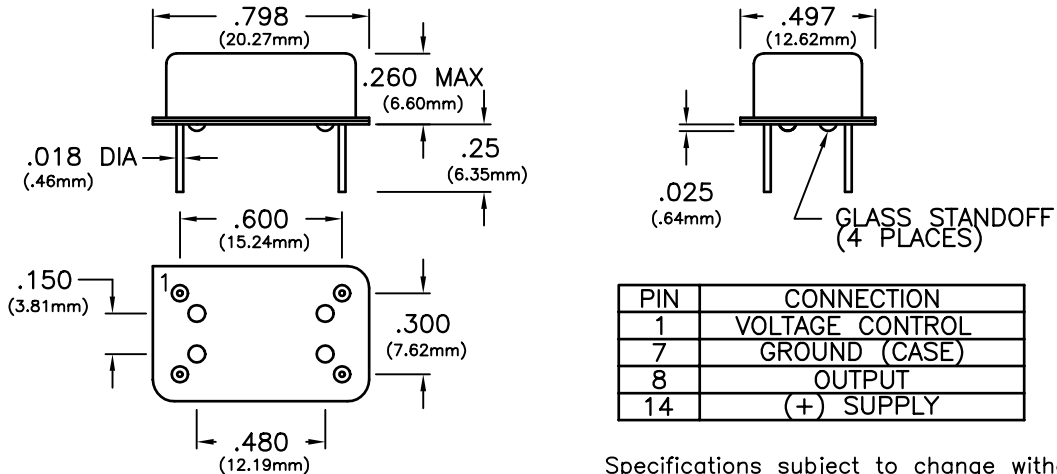


# CONNOR-WINFIELD CORPORATION

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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 $V_{oh}$	4.5V Minimum	
	$V_{ol}$	0.5V Maximum	
	Current $I_{oh}$	-24mA	
	$I_{ol}$	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%



Specifications subject to change without notice

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REV: 00  
 DATE: 11/6/98

ISSUED BY: \_\_\_\_\_

Dimensional Tolerance: ±.02"  
 ±.005"