



CONNOR-WINFIELD CORPORATION

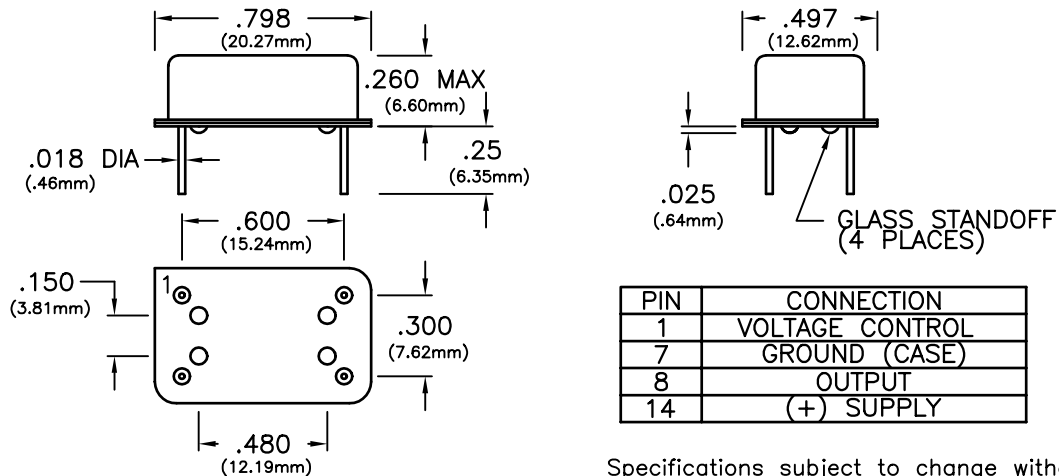
AURORA, IL. 60505

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14 PIN DIP ACMOS VCO

SPECIFICATIONS	AV53R1A		AV53R2			
Center Frequency (Fo)	12MHz to 153.846MHz		13.8MHz to 139.130MHz			
Frequency Stability	±1%					
Temperature Range	0°C to +70°C					
Supply Voltage	+5Vdc ±5%					
Supply Current	50mA Maximum, 20mA Typical					
Output	Waveform	CMOS Squarewave, TTL Compatible				
	Load	50pF				
	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	0.0 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)	AV53R1A			AV53R2		
	Min	Typ	Max	Min	Typ	Max
	0V Pin 1	-2.0%	-3.0%	-4.0%	-10%	-12%
5V Pin 1	+2.0%	+3.0%	+4.0%	+10%	+12%	+15%



Specifications subject to change without notice

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REV: 04
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ISSUED BY: _____

Dimensional Tolerance: ±.02"
±.005"