



CONNOR-WINFIELD CORPORATION

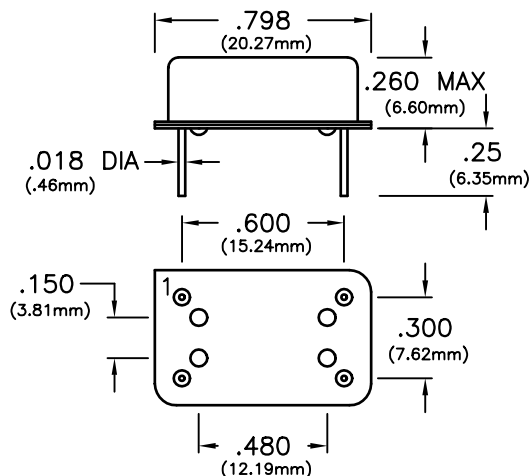
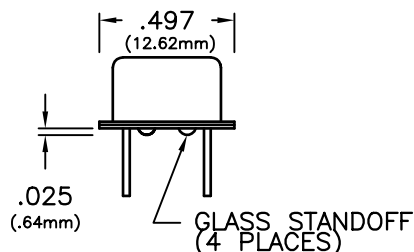
AURORA, IL. 60505

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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	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	@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)		AV53R1A			AV53R2		
		Min	Typ	Max	Min	Typ	Max
	0V Pin 1	−2.0%	−3.0%	−4.0%	−10%	−12%	−15%
	5V Pin 1	+2.0%	+3.0%	+4.0%	+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: $\pm .02"$
 $\pm .005"$