



CONNOR—WINFIELD CORPORATION

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OSCILLATORS

WIDE DEVIATION HIGH SPEED CMOS VCXO

SPECIFICATIONS		HV52-600	
Frequency Range		150KHz to 30MHz	
Frequency Stability		± 50 ppm (includes aging, temperature, power supply variation)	
Temperature Range		0°C to +70°C	
Output	Waveform	HCMOS Squarewave	
	Load	15pF	
	Voltage	Voh	4.5V Minimum
		Vol	0.4V Maximum
	Current	Ioh	-4.0mA
		Iol	4.0mA
	Duty Cycle	45/55 Typical , 40/60 Maximum	
	Rise/Fall Time	6nS	
Frequency Control		Positive Transfer Characteristic	
		Control Voltage	0.5Vdc to 4.5Vdc
		Deviation @25°C	± 300 ppm Minimum
		Center Frequency	2.5Vdc ± 0.5 Vdc
		Monotonic Linearity	$< \pm 15\%$
		Input Impedance	50K ohms Minimum
		Modulation Bandwidth	≥ 15 KHz
Supply Voltage		+5Vdc $\pm 5\%$	
Supply Current		10mA Typical , 20mA Maximum	
Package		All metal, hermetically sealed, welded package	

Specifications subject to change without notice

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