



# CONNOR-WINFIELD CORPORATION

AURORA, IL. 60505

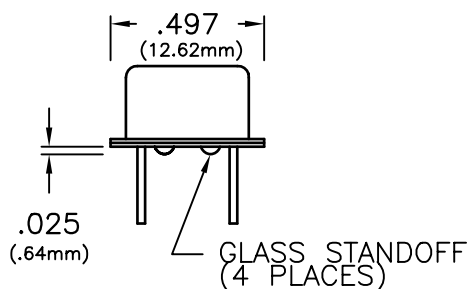
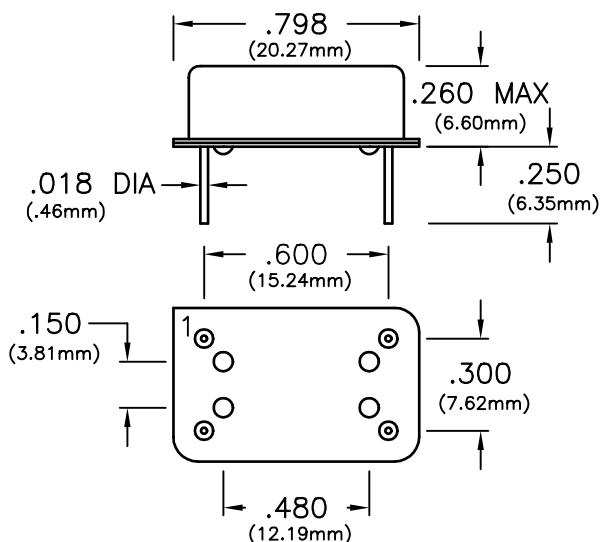
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## VCXO USING FREQUENCY MULTIPLICATION

SPECIFICATIONS		VXHF-300
Frequency		33MHz to 50MHz
Frequency Stability		±25ppm
Temperature Range		0°C to +70°C
Supply Voltage		+5Vdc ±5%
Supply Current		25mA Maximum
Output	Waveform	CMOS/TTL Squarewave
	Load	10 TTL , 50pF
	Duty Cycle	45/55 Maximum measured at 2.5V level
	Voltage Voh	4.4V Minimum
	Vol	0.44V Maximum
	Current Ioh	-16mA Minimum
	Iol	16mA Minimum
	Rise/Fall Time	6nS Maximum
	Absolute Clock Period Jitter	200pS Typical , ±400pS Maximum
	One Sigma Clock Period Jitter	50pS Typical
Frequency Control		Positive Transfer Characteristic
Control Voltage		0.5 to 4.5Vdc
Deviation @25°C		±150ppm Minimum
Absolute Pull Range *		±125ppm Minimum
Center Frequency		2.5Vdc ±0.5Vdc
Monotonic Linearity		< ±10%
Input Impedance		≥ 50K ohms
Modulation Bandwidth		≥ 10KHz
Package		All metal, hermetically sealed, welded package

\* - Inclusive of operating temperature range, supply voltage change, load change, aging, shock and vibration.



PIN	CONNECTION
1	CONTROL VOLTAGE
7	GROUND (CASE)
8	OUTPUT
14	(+) SUPPLY

Dimensional Tolerance: ±.005

Specifications subject to change without notice

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REV: 00  
DATE: 5/15/97

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