

CRYSTAL CONTROLLED OSCILLATORS

SURFACE MOUNT HCMOS VCXO

SPECIFICATIONS		VSH31***
Frequency Range		125KHz to 33MHz
Frequency Stability		±25ppm
Temperature Range		0°C to +85°C
Output	Waveform	HCMOS Squarewave
	Load	15pF
	Voltage Voh	4.50V Minimum
	Vol	0.40V Maximum
	Current Ioh	-4.0mA
	Iol	4.0mA
	Duty Cycle	45/55 Maximum Measured @ 2.5Vdc
	Rise/Fall Time	6nS Maximum
	Jitter (RMS)	10pS Maximum
Frequency Control		
		Control Voltage Code (add to model number)
0		0.5 to 4.5Vdc
1		0.0 to 5.0Vdc
		Positive Transfer Characteristic
		Deviation Code (add to model number)
12		100 (±50ppm)
15		150 (±75ppm)
22		200 (±100ppm)
32		300 (±150ppm)
Center Frequency		2.5Vdc ±0.5Vdc
Monotonic Linearity		< ±10%
Input Impedance		≥50K ohm at ≤10KHz
Modulation Bandwidth		≥15KHz
Supply Voltage		+5Vdc ±5%
Supply Current		30mA Maximum
Package		Hermetically sealed, leadless ceramic package
Optional Suffix		T Duty Cycle 45/55 Maximum Measured @1.4Vdc

