

SURFACE MOUNT HCMOS VCXO

SPECIFICATIONS		VSH31***
Frequency Range		125KHz to 33MHz
Frequency Stability		±25ppm
Temperature Range		0°C to +85°C
Waveform		HCMOS Squarewave
Load		15pF
Output	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	Positive Transfer Characteristic
1	0.0 to 5.0Vdc	
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

