

**HCMOS VCXO SURFACE MOUNT OSCILLATORS**

SPECIFICATIONS	VSH55***	VSA55***	
Frequency Range	125KHz to 33MHz	30MHz to 50MHz	
Frequency Stability Vs Temperature	±10ppm		
Temperature Range	0°C to +70°C		
Waveform	HCMOS Squarewave	ACMOS Squarewave	
Load	15pf	50pf	
Output	Voltage Voh	4.5V Minimum	
	Vol	0.4V Maximum	
	Current Ioh	-4mA	
	Iol	4mA	
Duty Cycle	45/55 Maximum @ 2.5Vdc	45/55 Maximum @ 2.5Vdc	
Rise/Fall Time	6nS Maximum	3nS Maximum	
Jitter (RMS)	10pS Maximum	10pS Maximum	
Frequency Control	Positive Transfer Characteristic		
	Control Voltage Code *(add to model number)		
	0	0.5 to 4.5Vdc	
	Deviation Code **(add to model number)		
	12	100 (±50ppm Minimum)	
	15	150 (±75ppm Minimum)	
	22	200 (±100ppm Minimum)	
	Calibration at 25°C, 2.5Vdc Pin 1	±10ppm	
	Monotonic Linearity	< ±10%	
	Input Impedance	≥50K Ohm	
Modulation Bandwidth	≥15KHz		
Supply Voltage	+5Vdc ±5%		
Supply Current	30mA Maximum	60mA Maximum	
Package	Hermetically sealed, leadless ceramic package		
Optional Suffix	T	Duty Cycle 45/55 Maximum Measured @1.4Vdc	

