

**SURFACE MOUNT ACMOS VCXO**

SPECIFICATIONS		VSA31***	
Frequency Range		30MHz to 60MHz	
Frequency Stability		±25ppm	
Temperature Range		0°C to +85°C	
Waveform		CMOS Squarewave , TTL Compatible	
Load		50pf	
Output	Voltage <u>Voh</u>	4.40V Minimum	
	<u>Vol</u>	0.44V Maximum	
	Current <u>Ioh</u>	-24mA	
	<u>Iol</u>	24mA	
Duty Cycle		40/60 Maximum	
Rise/Fall Time		3nS	
Frequency Control		Control Voltage Code (add to model number)	
	0	0.5 to 4.5Vdc	Positive Transfer Characteristic
	1	0.0 to 5.0Vdc	
	2	0.5 to 3.5Vdc	
	3	1.0 to 4.0Vdc	
		Deviation Code (add to model number)	
	12	100 (±50ppm)	
	15	150 (±75ppm)	
	22	200 (±100ppm)	Available only with control voltage Code 1
Center Frequency		2.5Vdc ±0.5Vdc	
Monotonic Linearity		< ±20%	
Input Impedance		≥50K ohm at ≤10KHz	
Modulation Bandwidth		≥15KHz	
Supply Voltage		+5Vdc ±5%	
Supply Current		60mA Maximum	
Package		Hermetically sealed, leadless ceramic package	

