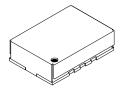
Pletronic, Inc. 19013 36th Ave. West • Suite H • Lynnwood, WA 98036, USA

VC2, VC3 VCXO Series

- 6 Pad Leadless Surface Mount Voltage Controlled Xtal Oscillator
- CMOS/ TTL Compatible (VC2 without E/D, VC3 with E/D)



1.500 MHz - 200.00 MHz

Standard Specifications

Standard Specifications							
Overall Frequency Stability	± 15, 25, 50, 100 PPM over Operating Temperature Range						
Operating Temperature Range	0 to +70°C is standard, but can be extended to 40 to +85°C for certain frequencies						
Supply Voltage (Vcc)	5.0 volts and 3.3 volts available						
Output Load	Std load is 15pF max., see Test Circuit 7 for VC2, TC 8 for VC3 (consult factory for heavier loads)						
Control Voltage Range (CVR)	0.5 to 4.5 volts for 5.0 volt Supply; 0.3 to 3.0 volts for 3.3 volt Supply						
Pullablity over CVR	\pm 25, 50, 100, 150, 200 PPM. Consult factory for \pm 300 PPM.						
Linearity	\pm 10% (Consult factory for \pm 5%)						
VC3 Enable/Disable Option (E/D)		Output enabled when Pin #2 is open or at Logic "1"; Output disabled when Pin #2 is at Logic "0".					
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Frequenc		Supply Current		Rise and Fall Time			
(MHz		Icc (mA)		Tr & Tf (nS)			
4 500	Typical	Maximum	Typical	Maximum			
1.500 - 2		15	3.5	5.0			
20.001 - 3		25	3.0	4.5			
30.001 - 5		30	3.0	4.0			
50.001 - 6		35	2.5	3.5			
60.001 - 2	200.00 Consum	t Factory for valu	les				
Part Numbering Guide							
Destroping	3 VC22	H 100 A Z -	60.0M				
Packaging Tube or Supply Voltage	T						
2/mm tane Supply vollage —				ency in MHz			
16mm pitch Blank= 5.0 Volts ±5			11040				
3= 3.3 volts ±5%	Model —		 Frequency I 	Deviation (Pull	lability) over CVR		
VC22H=without E/D			T: ± 25 PPM X: ± 150 PPM				
VC32H=with E/D			V: ± 50 PPM Y: ± 200 PPM				
			W: ± 100 I	PPM Z:±	: 300 PPM		
Frequency Stability —			— Operating Temperature Range				
	15: ± 15 PPM		A: 0 to +50°C D: -20 to +75°C				
	25: ± 25 PPM	25: ± 25 PPM 50: ± 50 PPM		C E: -30	to +75°C		
	100: ± 100 PPM		C: -10 to +70)°C F: -40	to +85°C		
Consult factory for available frequence							
Frequency Stability is inclu	isive of frequency shifts	due to calibration	n, temperature, s	supply voltage, s	shock, vibration and	lload	
Mechanical: inches (mm)	not to	o scale	VC3 Sol	der Pads	VC2 Solder	Pads	
Due to part size and factory abilit	ties, part marking may va	ary from lot to lot a	ind may contain	our part number	or an internal code.		
.195 (4	1.95)						
MĂ	1			• — •			
×			6 5	4	6	4	
Š PLE	4 5	6					
16)	4		(8)	.05	m 🔞	.05	
A00 (10.16) MAX	4	.23	(5.	(1.3)	.23 (5.8)	(1.3)	
) og	3 2						
ų ⊥∎ □			2 1 2	3	1 (3.0)	3	
.560 (14.23) MAX	GND *	Vcon					
	*VC32H: Pin 2 E	-/D	.200 (5	5.08)	.200 (\$	5.08)	
	• • • • • • • • • • • • • • • • • • •		(-	,	(-	,	

*VC32H: Pin 2 E/D *VC22H: Pin 2 N.C. (do NOT connect to Pin 2)

Jan 2002

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