



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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VCO-216/216TC

Nominal Operating Parameters



Parameter	Specification			Unit	Condition
	Min	Typ	Max		
General Performance					
Frequency Range	150		300	MHz	100% Production Tested
Tuning Voltage :					
150MHz	0	1.4		Vdc	100% Production Tested
300MHz		17	20	Vdc	
Tuning Sensitivity:					
150MHz	6.5	8.7	10.8	MHz/V	100% Production Tested
187.5MHz	7.6	10.2	12.7	MHz/V	
225MHz	10.2	13.6	17	MHz/V	
262.5MHz	7.5	10.1	12.6	MHz/V	
300MHz	4	5.3	6.6	MHz/V	
Output Power	10	13	16	dBm	
Output Phase Noise:					
10kHz		-110	-104	dBc/Hz	100% Production Tested
100kHz		-130	-124	dBc/Hz	
1000kHz		-155	-149	dBc/Hz	
Power Supply	14.75	15	15.25	V	
Supply Current		13.7	16	mA	
Harmonic Suppression:					
2nd Harmonic		-22	-18	dBc	100% Production Tested
3rd Harmonic		-18	-14	dBc	
Spurious (Non-Harmonic)			-80	dBc	
Frequency Pushing – 14V to 16V		0.25	0.4	MHz p-p	
Frequency Pulling – 12dBRL		4	8	MHz p-p	
Output Impedance		50		Ω	
Modulation:					
Bandwidth	5000	7000		kHz	
Input Impedance		0.05		k Ω	

Package: TO-8 (Cir), 0.504 x 0.504 x 0.27 inches

VCO-216 Temperature Range: 0°C to 70°C

VCO-216TC Temperature Range: -55°C to 100°C

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