



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!



## Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





## VCO Product Specification

**Model:** VCO-215TC **Rev:** A **Date:** 12/1/2003

**Customer:**

**Operating Temperature Range:** ( -55 ° to 100 ° C)

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	2500		4000	MHz	X	
Tuning Voltage:						
2500 MHz	0	1.1		Vdc	X	
4000 MHz		13.5	20	Vdc	X	
Tuning Sensitivity:						
2500 MHz	82.5	110	137.5	MHz/V	X	Typical Linearity 2.3:1
2875 MHz	93.75	125	156.25	MHz/V	X	
3250 MHz	120	160	200	MHz/V	X	
3625 MHz	93.75	125	156.25	MHz/V	X	
4000 MHz	56.25	75	93.75	MHz/V	X	
Output Power -	-2.5	0.5	3.5	dBm	X	
Output Phase Noise:						
10 kHz		-84	-78	dBc/Hz	X	
100 kHz		-106	-100	dBc/Hz	X	
1000 kHz		-126	-120	dBc/Hz	X	
Power Supply -	14.5	15	15.5	Volts		
Supply Current -		19	23	mA	X	
Harmonic Suppression:						
2nd Harmonic		-30	-10	dBc	X	
3rd Harmonic		-25	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 14.5 to 15.5 Volts		2	4	MHz p-p		
Frequency Pulling - 12 dBRL		10	16	MHz p-p		
Tuning Port Capacitance -		27		pF		
Output Impedance -		50		Ω		
Modulation:						
Bandwidth	15000	25000		kHz		Zg= 50 Ohms

### Package Information

Package Type:	SMT-2	Drawing Number:	A21959
Dimensions:	0.45 x 0.45 x 0.17 inches	Drawing Revision:	B

### Comments

**X** Indicates parameter to be tested 100% in production

ALSO AVAILABLE IN TO-8 PACKAGE

Performance tests and ratings for Sirenza Microdevices' products were performed internally by Sirenza and measured using specific computer systems and/or components and reflect the approximate performance of the the products as measured by those tests. Any difference in circuit implementation, test software, or test equipment may affect actual performance. The information provided herein is believed to be reliable at press time and Sirenza Microdevices assumes no responsibility for the use of this information. All such use shall be entirely at the user's own risk. Prices and specifications for Sirenza Microdevices' products are subject to change without notice. Buyers should consult Sirenza Microdevices' standard terms and conditions of sale for Sirenza's limited warranty with regard to its products. These products may be patented or include patented technology. No patent rights or licenses to any of the circuits described herein are implied or granted to any third party. Sirenza Microdevices does not authorize or warrant any product for use in life-support devices and/or systems.