



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-219TC **Rev:** B **Date:** 12/11/2003

Customer:

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

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	3000		4800	MHz	X	
Tuning Voltage:						
3000 MHz	0	1.1		Vdc	X	
4800 MHz		14.5	20	Vdc	X	
Tuning Sensitivity:						
3000 MHz	89	118	148	MHz/V	X	Typical Linearity 3.0:1
3450 MHz	127	169	211	MHz/V	X	
3900 MHz	136	182	227	MHz/V	X	
4350 MHz	101	135	169	MHz/V	X	
4800 MHz	44	59	74	MHz/V	X	
Output Power -	-2.5	0.5	3.5	dBm	X	
Output Phase Noise:						
10 kHz		-81	-75	dBc/Hz	X	
100 kHz		-103	-97	dBc/Hz	X	
1000 kHz		-123	-117	dBc/Hz	X	
Power Supply -	14.5	15	15.5	Volts		
Supply Current -		18	23	mA	X	
Harmonic Suppression:						
2nd Harmonic		-25	-10	dBc	X	
3rd Harmonic		-30	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 14.5 TO 15.5 Volts		3	6	MHz p-p		
Frequency Pulling - 12 dBRL		16	22	MHz p-p		
Tuning Port Capacitance -		22		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.

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