



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 Product Specification

**Model:** VCO-120TC      **Rev:** -      **Date:** 7/22/2002

**Customer:** SIRENZA MICRODEVICES, INC.

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

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	600		1200	MHz	X	
Tuning Voltage:						
600 MHz	0	1.5		Vdc	X	
1200 MHz		17.2	20	Vdc	X	
Tuning Sensitivity:						
600 MHz	25.8	34.4	43	MHz/V	X	
750 MHz	29.6	39.4	49.3	MHz/V	X	
900 MHz	49.7	66.3	82.9	MHz/V	X	
1050 MHz	32.1	42.8	53.4	MHz/V	X	
1200 MHz	14.4	19.2	24	MHz/V	X	
Output Power -	10	13	16	dBm	X	
Output Phase Noise:						
10 kHz		-90	-84	dBc/Hz	X	
100 kHz		-113	-107	dBc/Hz	X	
1000 kHz		-135	-129	dBc/Hz	X	
Power Supply -	14.75	15	15.25	Volts	X	
Supply Current -		15.5	17	mA	X	
Harmonic Suppression:						
2nd Harmonic		-15	-10	dBc	X	
3rd Harmonic		-12	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 14.75 to 15.25 V		0.5	1	MHz p-p		
Frequency Pulling - 20 dB RL		16	22	MHz p-p		
Output Impedance -		50		Ω		
Modulation:						
Bandwidth	10000	15000		kHz		
Input Impedance		0.05		kΩ		

### Package Information

Package Type:	TO-8 (Cir)	Drawing Number:	A8678
Dimensions:	0.504 x 0.504 x 0.27 inches	Drawing Revision:	P

### Comments

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

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