



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:** VCO790-600T(Y)      **Rev:** P5      **Date:** 10/17/2006

**Customer:** SIRENZA MICRODEVICES, INC.

**Operating Temperature Range:** ( -40 ° to 70 ° C)

**Pb RoHS Compliant**

To order models as RoHS Compliant add "Y" suffix to base model number.

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	400		800	MHz	X	
Tuning Voltage:						
400 MHz	0.5	2		Vdc	X	
800 MHz		14	20	Vdc	X	
Tuning Sensitivity:						
400 MHz	15	22	30	MHz/V	X	
500 MHz	24	30	36	MHz/V	X	
600 MHz	24	30	36	MHz/V	X	
700 MHz	24	30	36	MHz/V	X	
800 MHz	24	30	36	MHz/V	X	
Output Power -	1.5	5.5	9.5	dBm	X	
Output Phase Noise:						
1 kHz		-72	-66	dBc/Hz		
10 kHz		-102	-96	dBc/Hz		
100 kHz		-122	-116	dBc/Hz	X	
Power Supply -	4.75	5	5.25	Volts		
Supply Current -		23	30	mA	X	
Harmonic Suppression:						
2nd Harmonic		-5	-2.5	dBc	X	
3rd Harmonic		-12	-6	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - from 4.75 to 5.25 V		0.5	2	MHz p-p		
Frequency Pulling - into a 12 dB RL		2	5	MHz p-p		
Tuning Port Capacitance -		220		pF		
Output Impedance -		50		Ω		

### Package Information

Package Type:	T (0.5 x 0.5 x 0.156 inches)	Drawing Number:	60035
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### Comments

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

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