



## VCO Product Specification

**Model:** VCO690-3100T      **Rev:** C      **Date:** 4/17/2003

**Customer:** SIRENZA MICRODEVICES, INC.

**Operating Temperature Range:** ( -35 ° to 85 ° C)

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	3000	3100	3200	MHz	X	
Tuning Voltage:						
3000 MHz	0.5	1.2		Vdc	X	
3200 MHz		4	4.5	Vdc	X	
Tuning Sensitivity -	60	90	120	MHz/V	X	
Output Power -	-3	0	3	dBm	X	
Output Phase Noise:						
10 kHz		-90	-84	dBc/Hz		
100 kHz		-110	-104	dBc/Hz	X	
Power Supply -	4.75	5	5.25	Volts		
Supply Current -		12	16	mA	X	
Harmonic Suppression:						
2nd Harmonic		-15	-8	dBc	X	
3rd Harmonic		-20	-10	dBc	X	
Spurious (Non-Harmonic) -			-90	dBc		
Frequency Pushing - 4.75-5.25 V		3	5	MHz p-p		
Frequency Pulling - 12 dB RL		5	7	MHz p-p		
Tuning Port Capacitance -		22		pF		
Output Impedance -		50		Ω		

### Package Information

Package Type:	T	Drawing Number:	60035
Dimensions:	0.5 x 0.5 x 0.156 inches	Drawing Revision:	E

### Comments

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

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