



## VCO Product Specification

**Model:** VCO190-235T      **Rev:** A      **Date:** 4/21/2003

**Customer:** SIRENZA MICRODEVICES, INC.

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

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	200	235	270	MHz	X	
Tuning Voltage:						
200 MHz	0.5	1		Vdc	X	
270 MHz		4	4.5	Vdc	X	
Tuning Sensitivity -	10	24	50	MHz/V	X	
Output Power -	-2	1	4	dBm	X	
Output Phase Noise:						
10 kHz		-108	-102	dBc/Hz		
100 kHz		-130	-124	dBc/Hz	X	
Power Supply -	4.75	5	5.25	Volts		
Supply Current -		15	20	mA	X	
Harmonic Suppression:						
2nd Harmonic		-12	-8	dBc	X	
3rd Harmonic		-15	-10	dBc	X	
Spurious (Non-Harmonic) -			-90	dBc		
Frequency Pushing - 4.75-5.25 V		1	2	MHz p-p		
Frequency Pulling - 12 dB RL		1	2	MHz p-p		
Tuning Port Capacitance -		120		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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