

## **VCO Product Specification**

**Model:** VCO190-2250T **Rev:** B **Date:** 4/21/2003

Customer: SIRENZA MICRODEVICES, INC.

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

Parameter	Min	Тур	Max	Units	Х	Remarks
Frequency Range -	2200	2250	2300	MHz	Х	
Tuning Voltage:		ĺ	ĺ			
2200 MHz	1	1.6		Vdc	Х	
2300 MHz		5.2	6	Vdc	Х	
Tuning Sensitivity -	20	35	50	MHz/V	Х	
Output Power -	-3	0	3	dBm	Х	
Output Phase Noise:						
10 kHz		-96	-87	dBc/Hz		
100 kHz		-117	-110	dBc/Hz	Х	
Power Supply -	4.75	5	5.25	Volts		
Supply Current -		13	16	mA	Х	
Harmonic Suppression:						
2nd Harmonic		-15	-10	dBc	Х	
3rd Harmonic		-20	-10	dBc	Х	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 4.75-5.25 V		1	2	MHz p-p		
Frequency Pulling - 12 dB RL		2	7.8	MHz p-p		
Tuning Port Capacitance -		39	Shoot/11.1	pF		
Output Impedance -		50	01100110	Ω		

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## Package Information

Package Type:	Т	Drawing Number:	60035
Dimensions:	0.5 x 0.5 x 0.156 inches	Drawing Revision:	Е

## **Comments**

X Indicates parameter to be tested 100% in production

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Sirenza Microdevices, Inc. 303 S. Technology Ct. Broomfield, CO 80021 tel 303.327.3030 fax 303.410.7988

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