



## VCO Product Specification

**Model:** VCO190-2453T      **Rev:** B      **Date:** 4/21/2003  
**Customer:** SIRENZA MICRODEVICES, INC.  
**Operating Temperature Range:** ( -35 ° to 85 ° C)

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	2400	2453	2506	MHz	X	
Tuning Voltage:						
2400 MHz	0.5	1.7		Vdc	X	
2506 MHz		3.7	4.5	Vdc	X	
Tuning Sensitivity -	45	55	65	MHz/V	X	
Output Power -	-1	2	5	dBm	X	
Output Phase Noise:						
10 kHz		-96	-90	dBc/Hz		
100 kHz		-117	-110	dBc/Hz	X	
Power Supply -	4.75	5	5.25	Volts		
Supply Current -		16	18	mA	X	
Harmonic Suppression:						
2nd Harmonic		-20	-10	dBc	X	
3rd Harmonic		-25	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 4.75-5.25 V		3	5	MHz p-p		
Frequency Pulling - 12 dB RL		2	7.2	MHz p-p		
Tuning Port Capacitance -		120		pF		
Output Impedance -		50		$\Omega$		

### 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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