



## VCO Product Specification

**Model:** VCO190-419T(Y)      **Rev:**      **Date:** 8/31/2006

**Customer:** SIRENZA MICRODEVICES, INC.

**Operating Temperature Range:** ( -30 ° 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 -	405	419	433	MHz	X	
Tuning Voltage:						
405 MHz	0.5	1.6		Vdc	X	
433 MHz		3.8	4.5	Vdc	X	
Tuning Sensitivity -	10	13	17	MHz/V	X	
Output Power -	-3	0	3	dBm	X	
Output Phase Noise:						
10 kHz		-114	-106	dBc/Hz		
100 kHz		-134	-126	dBc/Hz	X	
Power Supply -	4.75	5	5.25	Volts	X	
Supply Current -		11	15	mA	X	
Harmonic Suppression:						
2nd Harmonic		-23	-10	dBc	X	
3rd Harmonic		-17	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	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 -		470		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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