



## VCO Product Specification

**Model:** VCO-205      **Rev:** -      **Date:** 7/22/2002  
**Customer:** SIRENZA MICRODEVICES, INC.  
**Operating Temperature Range:** ( 0 ° to 70 ° C)

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	200		400	MHz	X	
Tuning Voltage:						
200 MHz	0	1.4		Vdc	X	
400 MHz		16.1	20	Vdc	X	
Tuning Sensitivity:						
200 MHz	8.4	11.1	13.9	MHz/V	X	
250 MHz	10.4	13.9	17.3	MHz/V	X	
300 MHz	16.1	21.5	26.8	MHz/V	X	
350 MHz	10.7	14.3	17.9	MHz/V	X	
400 MHz	6.3	8.4	10.5	MHz/V	X	
Output Power -	10	12	16	dBm	X	
Output Phase Noise:						
10 kHz		-105	-99	dBc/Hz	X	
100 kHz		-130	-124	dBc/Hz	X	
1000 kHz		-150	-144	dBc/Hz	X	
Power Supply -	14.75	15	15.25	Volts	X	
Supply Current -		13	15	mA	X	
Harmonic Suppression:						
2nd Harmonic		-21	-19	dBc	X	
3rd Harmonic		-16	-14	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 14.75-15.25 V		1	2	MHz p-p		
Frequency Pulling - 12 dB RL		5	10	MHz p-p		
Output Impedance -		50		Ω		
Modulation:						
Bandwidth	7000	10000		kHz		
Input Impedance		0.05		kΩ		

### Package Information

Package Type:	TO-8 (Cir)	Drawing Number:	A8678
Dimensions:	0.504 x 0.504 x 0.27 inches	Drawing Revision:	P

### Comments

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

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