



VCO Product Specification

Model: VCO191-220U(Y) **Rev:** **Date:** 8/31/2006

Customer: SIRENZA MICRODEVICES, INC.

Operating Temperature Range: (0 ° 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 -	210	220	230	MHz	X	
Tuning Voltage:						
210 MHz	1	1.3		Vdc	X	
230 MHz		2.6	2.9	Vdc	X	
Tuning Sensitivity -	12	16	20	MHz/V	X	
Output Power -	-3	0	3	dBm	X	
Output Phase Noise:						
10 kHz		-115	-108	dBc/Hz		
100 kHz		-135	-128	dBc/Hz	X	
Power Supply -	2.9	3	3.1	Volts		
Supply Current -		7	9	mA	X	
Harmonic Suppression:						
2nd Harmonic		-13	-10	dBc	X	
3rd Harmonic		-20	-14	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 2.9-3.1 V		0.5	1	MHz p-p		
Frequency Pulling - 12 dB RL		0.5	1	MHz p-p		
Tuning Port Capacitance -		220		pF		
Output Impedance -		50		Ω		

Package Information

Package Type:	U (0.374 x 0.374 x 0.13 inches)	Drawing Number:	60036
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Comments

X Indicates parameter to be tested 100% in production

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