



VCO Product Specification

Model: VCO191-2170U(Y) **Rev:** **Date:** 8/31/2006

Customer: SIRENZA MICRODEVICES, INC.

Operating Temperature Range: (-35 ° to 85 ° 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 -	2132	2170	2204	MHz	X	
Tuning Voltage:						
2132 MHz	0.5	1.1		Vdc	X	
2204 MHz		2.9	3.5	Vdc	X	
Tuning Sensitivity -	25	45	65	MHz/V	X	
Output Power -	-6	-3	0	dBm	X	
Output Phase Noise:						
10 KHz		-97	-90	dBc/Hz		
100 kHz		-118	-112	dBc/Hz	X	
Power Supply -	3.3	3.5	3.7	Volts		
Supply Current -		10	19	mA	X	
Harmonic Suppression:						
2nd Harmonic		-13	-8	dBc	X	
3rd Harmonic		-15	-10	dBc	X	
Frequency Pushing - Over Vs=3.3 to 3.7 V		2.5	5	MHz p-p		
Frequency Pulling - into a 12 dB RL		3.5	6	MHz p-p		
Tuning Port Capacitance -			50	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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