



## VCO Product Specification

**Model:** VCO191-1715U(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 -	1684	1715	1746	MHz	X	
Tuning Voltage:						
1684 MHz	0.5	0.9		Vdc	X	
1746 MHz		2.3	2.7	Vdc	X	
Tuning Sensitivity -	35	45	55	MHz/V	X	
Output Power -	-6	-3	0	dBm	X	
Output Phase Noise:						
10 kHz		-96	-90	dBc/Hz		
100 kHz		-116	-110	dBc/Hz	X	
Power Supply -	2.85	3	3.15	Volts		
Supply Current -		7	9	mA	X	
Harmonic Suppression:						
2nd Harmonic		-11	-8	dBc	X	
3rd Harmonic		-25	-20	dBc	X	
Spurious (Non-Harmonic) -			80	dBc		
Frequency Pushing - 2.85 to 3.15 V		1.5	2	MHz p-p		
Frequency Pulling - 12 dB RL		3	4	MHz p-p		
Tuning Port Capacitance -		39		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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