



## VCO Product Specification

**Model:** VCO190-1960U(Y)    **Rev:** P2    **Date:** 11/9/2005

**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 -	1930	1960	1990	MHz	X	
Tuning Voltage:						
1930 MHz	1	1.5		Vdc	X	
1990 MHz		3.5	4	Vdc	X	
Tuning Sensitivity -	27	32	40	MHz/V	X	
Output Power -	-1	2	5	dBm	X	
Output Phase Noise:						
10 kHz		-99	-94	dBc/Hz		
100 kHz		-121	-115	dBc/Hz	X	
Power Supply -	4.75	5	5.25	Volts		
Supply Current -		14	20	mA	X	
Harmonic Suppression:						
2nd Harmonic		-15	-10	dBc	X	
3rd Harmonic		-20	-15	dBc	X	
Spurious (Non-Harmonic) -			-95	dBc		
Frequency Pushing - 4.75-5.25 V		0.7	2	MHz p-p		
Frequency Pulling - 12 dB RL		3	6	MHz p-p		
Tuning Port Capacitance -		10		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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