



## VCO Product Specification

**Model:** VCO191-1740X(Y)    **Rev:** P2    **Date:** 1/4/2006

**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 -	1700	1740	1780	MHz	X	
Tuning Voltage:						
1700 MHz	0.4	0.9		Vdc	X	
1780 MHz		2.2	2.7	Vdc	X	
Tuning Sensitivity -	55	65	75	MHz/V	X	
Output Power -	-6	-3	0	dBm	X	
Output Phase Noise:						
10 kHz		-97	-91	dBc/Hz		
100 kHz		-119	-113	dBc/Hz	X	
Power Supply -	2.85	3	3.15	Volts		
Supply Current -		7	9	mA	X	
Harmonic Suppression:						
2nd Harmonic		-15	-10	dBc	X	
3rd Harmonic		-20	-10	dBc	X	
Spurious (Non-Harmonic) -			-95	dBc		
Frequency Pushing - 2.85-3.15 V		1.5	3	MHz p-p		
Frequency Pulling - 12 dB RL		3	5	MHz p-p		
Tuning Port Capacitance -			39	pF		
Output Impedance -		50		Ω		

### Package Information

Package Type:	X (9 x 7 x 1.72 mm)	Drawing Number:	60870
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### Comments

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

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