



VCO Product Specification

Model: VCO191-810U(Y) **Rev:** P3 **Date:** 9/22/2006

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 -	797	810	823	MHz	X	
Tuning Voltage:						
797 MHz	0.4	0.7		Vdc	X	
823 MHz		2.3	2.8	Vdc	X	
Tuning Sensitivity -	15	20	25	MHz/V	X	
Output Power -	-6	-3	0	dBm	X	
Output Phase Noise:						
10 kHz		-109	-102	dBc/Hz		
100 kHz		-129	-122	dBc/Hz	X	
Power Supply -	2.85	3	3.15	Volts		
Supply Current -		6	8	mA	X	
Harmonic Suppression:						
2nd Harmonic		-11	-8	dBc	X	
3rd Harmonic		-25	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 2.85-3.15 V		0.8	1.3	MHz p-p		
Frequency Pulling - 12 dB RL		0.8	1.5	MHz p-p		
Tuning Port Capacitance -		100		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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