



VCO Product Specification

Model: VCO191-1310U(Y) **Rev:** **Date:** 8/31/2006

Customer: SIRENZA MICRODEVICES, INC.

Operating Temperature Range: (-20 ° 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 -	1281	1310	1339	MHz	X	
Tuning Voltage:						
1281 MHz	0.4	0.8		Vdc	X	
1339 MHz		2.5	2.8	Vdc	X	
Tuning Sensitivity -	26	34	44	MHz/V	X	
Output Power -	-6	-3	0	dBm	X	
Output Phase Noise:						
10 kHz		-100	-94	dBc/Hz		
100 kHz		-122	-115	dBc/Hz	X	
Power Supply -	2.9	3	3.1	Volts		
Supply Current -		8	15	mA	X	
Harmonic Suppression:						
2nd Harmonic		-15	-10	dBc	X	
3rd Harmonic		-20	-10	dBc	X	
Spurious (Non-Harmonic) -			-90	dBc		
Frequency Pushing - 2.9-3.1 V		1.5	2	MHz p-p		
Frequency Pulling - 12 dB RL		2	3	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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