

VCO Product Specification

Model: VCO191-964U(Y) **Rev: Date:** 8/31/2006

Customer: SIRENZA MICRODEVICES, INC.

Operating Temperature Range: (-35 ° to 85 ° C)

RoHS Compliant

To order models as RoHS Compliant add "Y" suffix to base model number.

Parameter	Min	Тур	Max	Units	Х	Remarks
Frequency Range -	951	964	977	MHz	Х	
Tuning Voltage:						
951 MHz	0.4	0.8		Vdc	Х	
977 MHz		2.2	2.6	Vdc	Х	
Tuning Sensitivity -	15	18	21	MHz/V	Х	
Output Power -	-6	-3	0	dBm	Х	
Output Phase Noise:						
10 kHz		-108	-102	dBc/Hz		
100 kHz		-128	-122	dBc/Hz	Х	
Power Supply -	2.85	3	3.15	Volts		
Supply Current -		6	8	mA	Х	
Harmonic Suppression:						
2nd Harmonic		-14	-10	dBc	Х	
3rd Harmonic		-32	-10	dBc	Х	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 2.85-3.15 V		0.6	1	MHz p-p		
Frequency Pulling - 12 dB RL		0.7	1.5	MHz p-p		
Tuning Port Capacitance -		100	120	pF		
Output Impedance -		50		Ω		

Package Information

Package Type: U (0.374 x 0.374 x 0.13 inches)	Drawing Number: 6	60036
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Comments

X Indicates parameter to be tested 100% in production

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Page 1 of 1