



VCO Product Specification

Model: VCO190-768U(Y) **Rev:** **Date:** 8/31/2006

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 -	751	768	786	MHz	X	
Tuning Voltage:						
751 MHz	1.3	1.5		Vdc	X	
786 MHz		3.5	3.9	Vdc	X	
Tuning Sensitivity -	15	22	30	MHz/V	X	
Output Power -	-1	2	5	dBm	X	
Output Phase Noise:						
10 kHz		-108	-102	dBc/Hz		
100 kHz		-130	-124	dBc/Hz	X	
Power Supply -	5.4	5.7	6	Volts		
Supply Current -		15	20	mA	X	
Harmonic Suppression:						
2nd Harmonic		-13	-10	dBc	X	
3rd Harmonic		-18	-15	dBc	X	
Spurious (Non-Harmonic) -			-100	dBc		
Frequency Pushing - 5.4-6 V		1	2	MHz p-p		
Frequency Pulling - 12 dB RL		1	2	MHz p-p		
Tuning Port Capacitance -		47		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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