



VCO Product Specification

Model: VCO790-915K **Rev:** P1 **Date:** 9/14/2004

Customer: SIRENZA MICRODEVICES

Operating Temperature Range: (-40 ° to 85 ° C)

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	800		1030	MHz	X	
Tuning Voltage:						
800 MHz	0.4	0.9		Vdc	X	
1030 MHz		3	3.5	Vdc	X	
Tuning Sensitivity -	75	90	140	MHz/V	X	
Output Power -	3	6	9	dBm	X	
Output Phase Noise:						
10 kHz		-93	-82	dBc/Hz		
100 kHz		-113	-103	dBc/Hz	X	
Power Supply -	3.9	4.1	4.3	Volts		
Supply Current -		25	32	mA	X	Vcc=4.1V
Harmonic Suppression:						
2nd Harmonic		-18	-10	dBc	X	
Spurious (Non-Harmonic) -			-50	dBc		
Frequency Pushing - 3.9 - 4.3V		1	10	MHz p-p		
Frequency Pulling -		15	34	MHz p-p		
Tuning Port Capacitance -		10		pF		

Package Information

Package Type:	K	Drawing Number:	60879
Dimensions:	0.3 x 0.3 x 0.079 inches	Drawing Revision:	C

Comments

X Indicates parameter to be tested 100% in production

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