



VCO Product Specification

Model: VCO790-915KY **Rev:** A **Date:** 8/10/2009
Customer: RF MICRO DEVICES
Operating Temperature Range: (-40 ° to 85 ° C)

RoHS Compliant

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 (0.3 x 0.3 x 0.079 inches)	Drawing Number:	60879
---------------	------------------------------	-----------------	-------

Comments

X Indicates parameter to be tested 100% in production

RoHS status based on EU Directive 2002/95/EC (at time of this document revision).

The information in this publication is believed to be accurate and reliable. However, no responsibility is assumed by RF Micro Devices, Inc. ("RFMD") for its use, nor for any infringement of patents, or other rights of third parties, resulting from its use. No license is granted by implication or otherwise under any patent or patent rights of RFMD. RFMD reserves the right to change component circuitry, recommended application circuitry and specifications at any time without prior notice.

Page 1 of 1