



## VCO Product Specification

**Model:** VCO790-2965KY      **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 -	2865		3065	MHz	X	
Tuning Voltage:						
2865 MHz	0.8	1.3		Vdc	X	
3065 MHz		2.4	3.5	Vdc	X	
Tuning Sensitivity -	140		200	MHz/V	X	
Output Power -	4	6	10	dBm	X	
Output Phase Noise:						
10 kHz		-89	-75	dBc/Hz		
100 kHz		-111	-95	dBc/Hz	X	
Power Supply -	3.9	4.1	4.3	Volts		
Supply Current -		26	32	mA	X	Vcc=4.1V
Harmonic Suppression:						
2nd Harmonic		-20	-10	dBc	X	
Spurious (Non-Harmonic) -			-50	dBc		
Frequency Pushing - 3.9 - 4.3 V		3	25	MHz p-p		
Frequency Pulling - 12 dB RL		27	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
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### Comments

**X** Indicates parameter to be tested 100% in production

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

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