



## VCO Product Specification

**Model:** VCO191-836UY      **Rev:** A      **Date:** 8/10/2009  
**Customer:** RF MICRO DEVICES  
**Operating Temperature Range:** ( -35 ° to 85 ° C)

**RoHS Compliant**

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	823	836	849	MHz	X	
Tuning Voltage:						
823 MHz	0.4	0.8		Vdc	X	
849 MHz		2.2	2.6	Vdc	X	
Tuning Sensitivity -	15	18	21	MHz/V	X	
Output Power -	-6	-3	0	dBm	X	
Output Phase Noise:						
10 kHz		-108	-102	dBc/Hz		
100 kHz		-128	-122	dBc/Hz	X	
Power Supply -	2.85	3	3.15	Volts		
Supply Current -		6	8	mA	X	
Harmonic Suppression:						
2nd Harmonic		-12	-8	dBc	X	
3rd Harmonic		-26	-10	dBc	X	
Spurious (Non-Harmonic) -			-90	dBc		
Frequency Pushing - 2.85-3.15 V		0.8	1.3	MHz p-p		
Frequency Pulling - 12 dB RL		0.8	1.5	MHz p-p		
Tuning Port Capacitance -		100		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

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

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