



## VCO Product Specification

**Model:** VCO191-1305UY      **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 -	1280	1305	1330	MHz	X	
Tuning Voltage:						
1280 MHz	0.4	0.8		Vdc	X	
1330 MHz		3.2	4	Vdc	X	
Tuning Sensitivity -	18	24	32	MHz/V	X	
Output Power -	-6	-3	0	dBm	X	
Output Phase Noise:						
10 kHz		-102	-94	dBc/Hz		
100 kHz		-122	-116	dBc/Hz	X	
Power Supply -	2.75	3	3.25	Volts		
Supply Current -		6	8	mA	X	
Harmonic Suppression:						
2nd Harmonic		-15	-10	dBc	X	
3rd Harmonic		-20	-10	dBc	X	
Spurious (Non-Harmonic) -			-90	dBc		
Frequency Pushing - 2.75-3.25 V		1.5	2	MHz p-p		
Frequency Pulling - 12 dB RL		2	3	MHz p-p		
Tuning Port Capacitance -		39		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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