



## VCO Product Specification

**Model:** VCO190-250TY      **Rev:** A      **Date:** 8/7/2009  
**Customer:** RF MICRO DEVICES  
**Operating Temperature Range:** ( -35 ° to 85 ° C)

**RoHS Compliant**

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	200	250	300	MHz	X	
Tuning Voltage:						
200 MHz	1	2		Vdc	X	
300 MHz		11	12	Vdc	X	
Tuning Sensitivity -	8	11.5	15	MHz/V	X	
Output Power -	-3	0	3	dBm	X	
Output Phase Noise:						
10 kHz		-110	-104	dBc/Hz		
100 kHz		-130	-124	dBc/Hz	X	
Power Supply -	4.75	5	5.25	Volts		
Supply Current -		11	14	mA	X	
Harmonic Suppression:						
2nd Harmonic		-13	-8	dBc	X	
3rd Harmonic		-13	-8	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 4.75-5.25 V		1.5	2	MHz p-p		
Frequency Pulling - 12 dB RL		0.4	1	MHz p-p		
Tuning Port Capacitance -		270	330	pF		
Output Impedance -		50		Ω		

### Package Information

Package Type:	T (0.5 x 0.5 x 0.156 inches)	Drawing Number:	60035
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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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