



## VCO Product Specification

**Model:** VCO190-2275TY      **Rev:** A      **Date:** 8/7/2009  
**Customer:** RF MICRO DEVICES  
**Operating Temperature Range:** ( -40 ° to 85 ° C)

**RoHS Compliant**

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	2200		2350	MHz	X	
Tuning Voltage:						
2200 MHz	1	2		Vdc	X	
2350 MHz		8	10	Vdc	X	
Tuning Sensitivity -	15	30	40	MHz/V	X	
Output Power -	2	5	8	dBm	X	
Output Phase Noise - 100 kHz		-122	-116	dBc/Hz	X	
Power Supply -	4.9	5	5.1	Volts		
Supply Current -		15	40	mA	X	
Harmonic Suppression:						
2nd Harmonic		-15	-10	dBc	X	
3rd Harmonic		-20	-10	dBc	X	
Spurious (Non-Harmonic) -			-90	dBc		
Frequency Pushing - 4.9-5.1V		1	3	MHz p-p		
Frequency Pulling - 12dB RL		3	5	MHz p-p		
Tuning Port Capacitance -		15		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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