



VCO Product Specification

Model: VCO191-2450UY **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 -	2400	2450	2500	MHz	X	
Tuning Voltage:						
2400 MHz	0.4	0.7		Vdc	X	
2500 MHz		2.2	2.7	Vdc	X	
Tuning Sensitivity -	45	55	65	MHz/V	X	
Output Power -	-6	-3	0	dBm	X	
Output Phase Noise:						
10 kHz		-93	-85	dBc/Hz		
100 kHz		-113	-105	dBc/Hz	X	
Power Supply -	2.85	3	3.15	Volts		
Supply Current -		7	9	mA	X	
Harmonic Suppression:						
2nd Harmonic		-15	-10	dBc	X	
3rd Harmonic		-20	-15	dBc	X	
Spurious (Non-Harmonic) -			-90	dBc		
Frequency Pushing - 2.85 to 3.15		3	5	MHz p-p		
Frequency Pulling - 12 dB RL		3	5	MHz p-p		
Tuning Port Capacitance -		22		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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