



VCO Product Specification

Model: VCO191-220UY **Rev:** A **Date:** 8/10/2009
Customer: RF MICRO DEVICES
Operating Temperature Range: (0 ° to 70 ° C)

RoHS Compliant

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	210	220	230	MHz	X	
Tuning Voltage:						
210 MHz	1	1.3		Vdc	X	
230 MHz		2.6	2.9	Vdc	X	
Tuning Sensitivity -	12	16	20	MHz/V	X	
Output Power -	-3	0	3	dBm	X	
Output Phase Noise:						
10 kHz		-115	-108	dBc/Hz		
100 kHz		-135	-128	dBc/Hz	X	
Power Supply -	2.9	3	3.1	Volts		
Supply Current -		7	9	mA	X	
Harmonic Suppression:						
2nd Harmonic		-13	-10	dBc	X	
3rd Harmonic		-20	-14	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 2.9-3.1 V		0.5	1	MHz p-p		
Frequency Pulling - 12 dB RL		0.5	1	MHz p-p		
Tuning Port Capacitance -		220		pF		
Output Impedance -		50		Ω		

Package Information

Package Type:	U (0.374 x 0.374 x 0.13 inches)	Drawing Number:	60036
---------------	---------------------------------	-----------------	-------

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).

The information in this publication is believed to be accurate and reliable. However, no responsibility is assumed by RF Micro Devices, Inc. ("RFMD") for its use, nor for any infringement of patents, or other rights of third parties, resulting from its use. No license is granted by implication or otherwise under any patent or patent rights of RFMD. RFMD reserves the right to change component circuitry, recommended application circuitry and specifications at any time without prior notice.