



VCO Product Specification

Model: VCO190-4025TY **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 -	3950	4025	4100	MHz	X	
Tuning Voltage:						
3950 MHz	1	2		Vdc	X	
4100 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		-114	-110	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		15	20	MHz p-p		
Tuning Port Capacitance -		10		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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