



VCO Product Specification

Model: RFVC6405 **Rev:** A **Date:** 4/24/2015

Customer: RF MICRO DEVICES

Operating Temperature Range: (-40 ° to 85 ° C)

RoHS Compliant

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	2000		4000	MHz	X	
Tuning Voltage -	0		16	Vdc	X	
Tuning Sensitivity -		150		MHz/V	X	
Output Power:						
	-3	0	3	dBm	X	
	-4			dBm		@Vt=0
Output Phase Noise:						
1 kHz		-60	-55	dBc/Hz		
10 kHz		-90	-85	dBc/Hz	X	
100 kHz		-112	-105	dBc/Hz		
1000 kHz		-132	-125	dBc/Hz		
Power Supply -		5		Volts	X	
Supply Current -		25	30	mA	X	
Harmonic Suppression:						
2nd Harmonic		-15		dBc	X	
Frequency Pulling -		4		MHz p-p		@12dBr, all phases
Output Impedance -		50		Ω		
Frequency Pushing (MHz/V) -		4		MHz/V		

Package Information

Package Type:	R16 (0.5 x 0.5 x 0.18 inches)	Drawing Number:	UP-R16
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Comments

X Indicates parameter to be tested 100% in production

Device w/o Buffer Amp.

Frequency Drift with Temperature: @ -40 degree C, 22.0 MHz Typical.

Frequency Drift with Temperature: @ +85 degrees C, 18.0 MHz Typical.

RoHS status based on EU Directive 2011/65/EU (at time of this document revision).

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