



VCO Product Specification

Model: UMZ-1084-R16-G **Rev:** D **Date:** 4/30/2014
Customer: RF MICRO DEVICES
Operating Temperature Range: (-40 ° to 85 ° C)

RoHS Compliant

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	3200		3800	MHz	X	
Tuning Voltage -	0.2		13.8	Vdc	X	
Tuning Sensitivity -		52		MHz/V	X	
Output Power:						
	-2	0	3	dBm	X	
	-2			dBm		@ Vt=0
Output Phase Noise:						
1 kHz		-67	-61	dBc/Hz		
10 kHz		-97	-92	dBc/Hz	X	
100 kHz		-118	-113	dBc/Hz		
1000 kHz		-138	-133	dBc/Hz		
Power Supply -		8		Volts	X	
Supply Current -		30	33	mA	X	
Harmonic Suppression:						
2nd Harmonic		-13	-10	dBc	X	
Frequency Pulling -		2	3	MHz p-p		@12dBr, All Phases
Tuning Port Capacitance -		20		pF		
Modulation:						
Bandwidth		5000		kHz		3dB BW
Frequency Pushing (MHz/V) -		2	3	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

Frequency Drift with Temperature: @ +85 degrees C, 17.0 MHz Typical, 25.0 MHz Maximum.

Frequency Drift with Temperature: @ -40 degrees C, 17.0 MHz Typical, 25.0 MHz Maximum.

RoHS status based on EU Directive 2002/95/EC (at time of this document revision).

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