



VCO Product Specification

Model: VCO191-1439U(Y) **Rev:** **Date:** 8/31/2006

Customer: SIRENZA MICRODEVICES, INC.

Operating Temperature Range: (-35 ° to 85 ° C)

Pb RoHS Compliant

To order models as RoHS Compliant add "Y" suffix to base model number.

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	1397	1439	1480	MHz	X	
Tuning Voltage:						
1397 MHz	0.8	1.2	2.5	Vdc	X	
1480 MHz		3.3	3.7	Vdc	X	
Tuning Sensitivity -	30	39	47	MHz/V	X	
Output Power -	-5	-2	1	dBm	X	
Output Phase Noise:						
10 kHz		-100	-94	dBc/Hz		
100 kHz		-120	-114	dBc/Hz	X	
Power Supply -	2.7	2.8	2.9	Volts		
Supply Current -		16	19	mA	X	
Harmonic Suppression:						
2nd Harmonic		-30	-10	dBc	X	
3rd Harmonic		-35	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 2.7-2.9 V		0.5	1	MHz p-p		
Frequency Pulling - 12 dB RL		0.5	2	MHz p-p		
Tuning Port Capacitance -			100	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

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