VCO Product Specification

Model: VCO190-1400T(Y) **Rev:** **Date:** 8/30/2006

Customer: SIRENZA MICRODEVICES, INC.

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

RoHS Compliant

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

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	1200	1400	1600	MHz	X	
Tuning Voltage:						
1200 MHz	0.5	1		Vdc	X	
1600 MHz		7	11	Vdc	X	
Tuning Sensitivity -	40	70	100	MHz/V	X	
Output Power -	-3	0	3	dBm	X	
Output Phase Noise:						
10 kHz		-98	-92	dBc/Hz		
100 kHz		-118	-112	dBc/Hz	X	
Power Supply -	7.75	8	8.25	Volts		
Supply Current -		13	18	mA	X	
Harmonic Suppression:						
2nd Harmonic		-13	-8	dBc	X	
3rd Harmonic		-20	-10	dBc	X	
Spurious (Non-Harmonic) -			-90	dBc		
Frequency Pushing - 7.75-8.25 V		3	10	MHz p-p		
Frequency Pulling - 12 dB RL		3	10	MHz p-p		
Tuning Port Capacitance -		33		pF		
Output Impedance -		50		Ω		

Package Information

Package Type:	T (0.5 x 0.5 x 0.156 inches)	Drawing Number:	60035

Comments

X Indicates parameter to be tested 100% in production

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Sirenza Microdevices, Inc. 303 S. Technology Ct. Broomfield, CO 80021 tel 303.327.3030 fax 303.410.7988