VCO Product Specification

Model: VCO190-1900T(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 -	1850	1900	1950	MHz	X	
Tuning Voltage:						
1850 MHz	1	1.5		Vdc	X	
1950 MHz		4.5	6	Vdc	X	
Tuning Sensitivity -	20	35	50	MHz/V	X	
Output Power -	0	3	6	dBm	X	
Output Phase Noise:						
10 kHz		-100	-92	dBc/Hz		
100 kHz		-120	-112	dBc/Hz	X	
Power Supply -	4.75	5	5.25	Volts		
Supply Current -		12	15	mA	X	
Harmonic Suppression:						
2nd Harmonic		-15	-10	dBc	X	
3rd Harmonic		-20	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 4.75-5.25 V		2	4	MHz p-p		
Frequency Pulling - 12 dB RL		2	5	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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