VCO Product Specification

Model: VCO190-1100T(Y) **Rev:** P2 **Date:** 11/9/2005

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 -	1085	1100	1115	MHz	X	
Tuning Voltage:						
1085 MHz	1	1.4		Vdc	X	
1115 MHz		3.6	4.5	Vdc	X	
Tuning Sensitivity -	10	14	18	MHz/V	X	
Output Power -	2	5	8	dBm	X	
Output Phase Noise:						
10 kHz		-111	-103	dBc/Hz		
100 kHz		-131	-123	dBc/Hz	X	
Power Supply -	4.75	5	5.25	Volts		
Supply Current -		11	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		0.5	1.2	MHz p-p		
Frequency Pulling - 12 dB RL		1.6	3.2	MHz p-p		
Tuning Port Capacitance -		100		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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