VCO Product Specification

Model: VCO-510TC **Rev:** C **Date:** 9/20/2002

Customer: SIRENZA MICRODEVICES, INC.

Operating Temperature Range: (-55 ° to 100 ° C)

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	4700		5100	MHz	X	
Tuning Voltage:						
4700 MHz	0	1.2		Vdc	X	
5100 MHz		5	8	Vdc	X	
Tuning Sensitivity -	70		150	MHz/V	X	
Output Power -	-3	0	3	dBm	X	
Output Phase Noise:						
10 kHz		-81	-75	dBc/Hz	X	
100 kHz		-105	-99	dBc/Hz	X	
1000 kHz		-125	-119	dBc/Hz	X	
Power Supply -	4.85	5	5.15	Volts		
Supply Current -		18.5	22	mA	X	
Harmonic Suppression:						
2nd Harmonic		-18	-10	dBc	X	
3rd Harmonic		-25	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 4.85 to 5.15 Volts		3	6	MHz p-p		
Frequency Pulling - 12 dBRL		20	30	MHz p-p		
Tuning Port Capacitance -		22		pF		
Output Impedance -		50		Ω		

Package Information

Package Type:	SMT-2	Drawing Number:	A21959
Dimensions:	0.45 x 0.45 x 0.17 inches	Drawing Revision:	B

Comments

X Indicates parameter to be tested 100% in production

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