



## VCO Product Specification

**Model:** VCO-500TC      **Rev:** A      **Date:** 9/11/2002

**Customer:** SIRENZA MICRODEVICES, INC.

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

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	2700		3200	MHz	X	
Tuning Voltage:						
2700 MHz	0	1.2		Vdc	X	
3200 MHz		10.5	12	Vdc	X	
Tuning Sensitivity -	30		80	MHz/V	X	
Output Power -	-1	1	3	dBm	X	
Output Phase Noise:						
10 kHz		-90	-84	dBc/Hz	X	
100 kHz		-115	-109	dBc/Hz	X	
1000 kHz		-135	-129	dBc/Hz	X	
Power Supply -	4.85	5	5.15	Volts		
Supply Current -		18	20	mA	X	
Harmonic Suppression:						
2nd Harmonic		-18	-10	dBc	X	
3rd Harmonic		-20	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 4.85 To 5.15 Volts		1.5	3	MHz p-p		
Frequency Pulling - 12 dBRL		6	9	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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