

## **VCO Product Specification**

Model:VCO-110TCRev: -Date: 7/22/2002Customer:SIRENZA MICRODEVICES, INC.

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

Parameter	Min	Тур	Max	Units	X	Remarks	
Frequency Range -	1000		2000	MHz	Х		
Tuning Voltage:							
1000 MHz	0	1.2		Vdc	Х		
2000 MHz		18.6	20	Vdc	Х		
Tuning Sensitivity:							
1000 MHz	67.5	90	112.4	MHz/V	Х		
1250 MHz	48.2	64.3	80.4	MHz/V	Х		
1500 MHz	54.8	73.1	91.4	MHz/V	Х		
1750 MHz	46.3	61.7	77.4	MHz/V	Х		
2000 MHz	19.7	26.3	32.9	MHz/V	Х		
Output Power -	10	13	16	dBm	Х		
Output Phase Noise:							
10 kHz		-88	-82	dBc/Hz	Х		
100 kHz		-112	-106	dBc/Hz	Х		
1000 kHz		-136	-130	dBc/Hz	Х		
Power Supply -	14.75	15	15.25	Volts	Х		
Supply Current -		17.5	20	mA	Х		
Harmonic Suppression:							
2nd Harmonic		-15	-10	dBc	Х		
3rd Harmonic		-15	-10	dBc	Х		
Spurious (Non-Harmonic) -			-80	dBc			
Frequency Pushing - 14.75- 15.25 V		4	6	MHz p-p			
Frequency Pulling - 20 dB RL		22	27	MHz p-p			
Output Impedance -		50		Ω			
Modulation:							
Bandwidth	15000	20000		kHz			
Input Impedance		0.05		kΩ			

## Package Information

Package Type:	TO-8 (Cir)	Drawing Number:	A8678
Dimensions: 0.504 x 0.504 x 0.27 inches		Drawing Revision:	Р

## Comments

**X** Indicates parameter to be tested 100% in production

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