



VCO Product Specification

Model: VCO-112TC **Rev:** C **Date:** 7/22/2002

Customer: SIRENZA MICRODEVICES, INC.

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

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	2000		3200	MHz	X	
Tuning Voltage:						
2000 MHz	0	1.5		Vdc	X	
3200 MHz		18	20	Vdc	X	
Tuning Sensitivity:						
2000 MHz	44	58	73	MHz/V	X	
2300 MHz	55	73	92	MHz/V	X	
2600 MHz	106	142	178	MHz/V	X	
2900 MHz	65	87	109	MHz/V	X	
3200 MHz	35	47	59	MHz/V	X	
Output Power -	10	12.5	16	dBm	X	
Output Phase Noise:						
10 kHz		-85	-79	dBc/Hz	X	
100 kHz		-105	-99	dBc/Hz	X	
1000 kHz		-128	-122	dBc/Hz	X	
Power Supply -	14.75	15	15.25	Volts	X	
Supply Current -		19	22	mA	X	
Harmonic Suppression:						
2nd Harmonic		-15	-10	dBc	X	
3rd Harmonic		-18	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 14.75 to 15.25 V		1	2.5	MHz p-p		
Frequency Pulling - 20 dB RL		40	50	MHz p-p		
Output Impedance -		50		Ω		
Modulation:						
Bandwidth	20000	35000		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:	P

Comments

X Indicates parameter to be tested 100% in production

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