



VCO Product Specification

Model: VCO-204TC **Rev:** - **Date:** 7/22/2002

Customer: SIRENZA MICRODEVICES, INC.

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

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	100		200	MHz	X	
Tuning Voltage:						
100 MHz	0	1.3		Vdc	X	
200 MHz		17.9	20	Vdc	X	
Tuning Sensitivity:						
100 MHz	4.8	6.4	8	MHz/V	X	
125 MHz	4.7	6.3	7.8	MHz/V	X	
150 MHz	5.8	7.7	9.7	MHz/V	X	
175 MHz	4.7	6.3	7.8	MHz/V	X	
200 MHz	2.6	3.5	4.4	MHz/V	X	
Output Power -	10	13	16	dBm	X	
Output Phase Noise:						
10 kHz		-112	-106	dBc/Hz	X	
100 kHz		-135	-129	dBc/Hz	X	
1000 kHz		-155	-149	dBc/Hz	X	
Power Supply -	14.75	15	15.25	Volts	X	
Supply Current -		13.5	15	mA	X	
Harmonic Suppression:						
2nd Harmonic		-25	-20	dBc	X	
3rd Harmonic		-18	-15	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 14-16 V		0.5	0.8	MHz p-p		
Frequency Pulling - 12 dB RL		3	4	MHz p-p		
Output Impedance -		50		Ω		
Modulation:						
Bandwidth	4000	7000		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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