



## VCO Product Specification

**Model:** VCO-206TC **Rev:** - **Date:** 7/23/2002

**Customer:** SIRENZA MICRODEVICES, INC.

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

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	400		800	MHz	X	
Tuning Voltage:						
400 MHz	0	1.2		Vdc	X	
800 MHz		18.5	20	Vdc	X	
Tuning Sensitivity:						
400 MHz	21.3	26.7	32	MHz/V	X	
500 MHz	19.3	24.2	29	MHz/V	X	
600 MHz	25	31.3	37.5	MHz/V	X	
700 MHz	19.2	24	31	MHz/V	X	
800 MHz	10.8	13.5	19	MHz/V	X	
Output Power -	10	12.5	16	dBm	X	
Output Phase Noise:						
10 kHz		-100	-94	dBc/Hz	X	
100 kHz		-125	-119	dBc/Hz	X	
1000 kHz		-147	-141	dBc/Hz	X	
Power Supply -	14.75	15	15.25	Volts	X	
Supply Current -		17	20	mA	X	
Harmonic Suppression:						
2nd Harmonic		-23	-20	dBc	X	
3rd Harmonic		-18	-15	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 14 to 16 V		2	3	MHz p-p		
Frequency Pulling - 12 dB		7	10	MHz p-p		
Output Impedance -		50		Ω		
Modulation:						
Bandwidth	15000	22000		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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