



## VCO Product Specification

**Model:** VCO-120TC      **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 -	600		1200	MHz	X	
Tuning Voltage:						
600 MHz	0	1.5		Vdc	X	
1200 MHz		17.2	20	Vdc	X	
Tuning Sensitivity:						
600 MHz	25.8	34.4	43	MHz/V	X	
750 MHz	29.6	39.4	49.3	MHz/V	X	
900 MHz	49.7	66.3	82.9	MHz/V	X	
1050 MHz	32.1	42.8	53.4	MHz/V	X	
1200 MHz	14.4	19.2	24	MHz/V	X	
Output Power -	10	13	16	dBm	X	
Output Phase Noise:						
10 kHz		-90	-84	dBc/Hz	X	
100 kHz		-113	-107	dBc/Hz	X	
1000 kHz		-135	-129	dBc/Hz	X	
Power Supply -	14.75	15	15.25	Volts	X	
Supply Current -		15.5	17	mA	X	
Harmonic Suppression:						
2nd Harmonic		-15	-10	dBc	X	
3rd Harmonic		-12	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 14.75 to 15.25 V		0.5	1	MHz p-p		
Frequency Pulling - 20 dB RL		16	22	MHz p-p		
Output Impedance -		50		Ω		
Modulation:						
Bandwidth	10000	15000		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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