



## VCO Product Specification

**Model:** VCO-215TC **Rev:** A **Date:** 12/1/2003

**Customer:**

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

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	2500		4000	MHz	X	
Tuning Voltage:						
2500 MHz	0	1.1		Vdc	X	
4000 MHz		13.5	20	Vdc	X	
Tuning Sensitivity:						
2500 MHz	82.5	110	137.5	MHz/V	X	Typical Linearity 2.3:1
2875 MHz	93.75	125	156.25	MHz/V	X	
3250 MHz	120	160	200	MHz/V	X	
3625 MHz	93.75	125	156.25	MHz/V	X	
4000 MHz	56.25	75	93.75	MHz/V	X	
Output Power -	-2.5	0.5	3.5	dBm	X	
Output Phase Noise:						
10 kHz		-84	-78	dBc/Hz	X	
100 kHz		-106	-100	dBc/Hz	X	
1000 kHz		-126	-120	dBc/Hz	X	
Power Supply -	14.5	15	15.5	Volts		
Supply Current -		19	23	mA	X	
Harmonic Suppression:						
2nd Harmonic		-30	-10	dBc	X	
3rd Harmonic		-25	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 14.5 to 15.5 Volts		2	4	MHz p-p		
Frequency Pulling - 12 dBRL		10	16	MHz p-p		
Tuning Port Capacitance -		27		pF		
Output Impedance -		50		Ω		
Modulation:						
Bandwidth	15000	25000		kHz		Zg=50 Ohms

### Package Information

Package Type:	SMT-2	Drawing Number:	A21959
Dimensions:	0.45 x 0.45 x 0.17 inches	Drawing Revision:	B

### Comments

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

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