



## VCO Product Specification

**Model:** VCO-3500TC      **Rev:** B      **Date:** 3/1/2004

**Customer:**

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

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	3490		3510	MHz	X	
Tuning Voltage:						
3490 MHz	0	1.7		Vdc	X	
3510 MHz		3.4	5	Vdc	X	
Tuning Sensitivity -	9	12	15	MHz/V	X	
Output Power -	-2	0.5	3	dBm	X	
Output Phase Noise:						
10 kHz		-100	-94	dBc/Hz	X	
100 kHz		-122	-116	dBc/Hz	X	
Power Supply -	4.75	5	5.25	Volts		
Supply Current -		17.5	20	mA	X	
Harmonic Suppression:						
2nd Harmonic		-15	-10	dBc	X	
3rd Harmonic		-20	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 4.75 to 5.25 V		0.75	2	MHz p-p		
Frequency Pulling - 12 dB RL		3	5	MHz p-p		
Tuning Port Capacitance -		22		pF		
Output Impedance -		50		Ω		
Modulation:						
Bandwidth	20000	30000		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

Also Available In TO-8 Package.

Frequency Drift < 0.2 MHz/C

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