



## VCO Product Specification

**Model:** VCO-219TC **Rev:** B **Date:** 12/11/2003

**Customer:**

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

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	3000		4800	MHz	X	
Tuning Voltage:						
3000 MHz	0	1.1		Vdc	X	
4800 MHz		14.5	20	Vdc	X	
Tuning Sensitivity:						
3000 MHz	89	118	148	MHz/V	X	Typical Linearity 3.0:1
3450 MHz	127	169	211	MHz/V	X	
3900 MHz	136	182	227	MHz/V	X	
4350 MHz	101	135	169	MHz/V	X	
4800 MHz	44	59	74	MHz/V	X	
Output Power -	-2.5	0.5	3.5	dBm	X	
Output Phase Noise:						
10 kHz		-81	-75	dBc/Hz	X	
100 kHz		-103	-97	dBc/Hz	X	
1000 kHz		-123	-117	dBc/Hz	X	
Power Supply -	14.5	15	15.5	Volts		
Supply Current -		18	23	mA	X	
Harmonic Suppression:						
2nd Harmonic		-25	-10	dBc	X	
3rd Harmonic		-30	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 14.5 TO 15.5 Volts		3	6	MHz p-p		
Frequency Pulling - 12 dBRL		16	22	MHz p-p		
Tuning Port Capacitance -		22		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

Also available in TO-8.

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