

## VCO Product Specification

**Model:** VCO-520TC **Rev:** A **Date:** 9/11/2002

**Customer:** VARI-L COMPANY, INC.

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

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	4900		5900	MHz	X	
Tuning Voltage:						
4900 MHz	0	1.2		Vdc	X	
5900 MHz		10.5	12	Vdc	X	
Tuning Sensitivity -	70		210	MHz/V	X	
Output Power -	-4	-1	2	dBm	X	
Output Phase Noise:						
10 kHz		-77	-71	dBc/Hz	X	
100 kHz		-102	-96	dBc/Hz	X	
1000 kHz		-122	-116	dBc/Hz	X	
Power Supply -	4.85	5	5.15	Volts		
Supply Current -		18	22	mA	X	
Harmonic Suppression:						
2nd Harmonic		-20	-10	dBc	X	
3rd Harmonic		-25	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 4.85 to 5.15 Volts		4	7	MHz p-p		
Frequency Pulling - 12 dBRL		23	30	MHz p-p		
Tuning Port Capacitance -		22		pF		
Output Impedance -		50		$\Omega$		

### 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