



VCO Product Specification

Model: VCO190-1000T **Rev:** A **Date:** 4/17/2003

Customer: VARI-L COMPANY

Operating Temperature Range: (-35 ° to 85 ° C)

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	900	1000	1100	MHz	X	
Tuning Voltage:						
900 MHz	0.7	1.5		Vdc	X	
1100 MHz		3.5	4.3	Vdc	X	
Tuning Sensitivity -	50	80	110	MHz/V	X	
Output Power -	0	3	6	dBm	X	
Output Phase Noise:						
10 kHz		-96	-90	dBc/Hz		
100 kHz		-118	-110	dBc/Hz	X	
Power Supply -	4.75	5	5.25	Volts		
Supply Current -		11	16	mA	X	
Harmonic Suppression:						
2nd Harmonic		-12	-8	dBc	X	
3rd Harmonic		-20	-10	dBc	X	
Spurious (Non-Harmonic) -			-90	dBc		
Frequency Pushing - 4.75-5.25 V		2	5	MHz p-p		
Frequency Pulling - 12 dB RL		2	5	MHz p-p		
Tuning Port Capacitance -		47		pF		
Output Impedance -		50		Ω		

Package Information

Package Type:	T	Drawing Number:	60035
Dimensions:	0.5 x 0.5 x 0.156 inches	Drawing Revision:	E

Comments

X Indicates parameter to be tested 100% in production

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		Wide-Band Voltage Controlled Oscillators	Couplers	
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