



## VCO Product Specification

**Model:** VCO190-1007U      **Rev:** A      **Date:** 4/17/2003

**Customer:** VARI-L COMPANY

**Operating Temperature Range:** ( -10 ° to 85 ° C)

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	994	1007	1019	MHz	X	
Tuning Voltage:						
994 MHz	1	1.4		Vdc	X	
1019 MHz		3.8	4.2	Vdc	X	
Tuning Sensitivity -	15	18	20	MHz/V	X	
Output Power -	0	3	6	dBm	X	
Output Phase Noise:						
10 kHz		-112	-106	dBc/Hz		
100 kHz		-132	-126	dBc/Hz	X	
Power Supply -	4.75	5	5.25	Volts		
Supply Current -		22	25	mA	X	
Harmonic Suppression:						
2nd Harmonic		-15	-10	dBc	X	
3rd Harmonic		-20	-10	dBc	X	
Spurious (Non-Harmonic) -			-90	dBc		
Frequency Pushing - 4.75 to 5.25 V		0.4	1	MHz p-p		
Frequency Pulling - 12 dB RL		1	2	MHz p-p		
Tuning Port Capacitance -		47		pF		
Output Impedance -		50		Ω		

### Package Information

Package Type:	U	Drawing Number:	60036
Dimensions:	0.374 x 0.374 x 0.13 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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