



## VCO Product Specification

**Model:** VCO190-750U      **Rev:** A      **Date:** 4/22/2003

**Customer:** VARI-L COMPANY

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

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	737	750	762	MHz	X	
Tuning Voltage:						
737 MHz	1	1.5		Vdc	X	
762 MHz		3.5	4	Vdc	X	
Tuning Sensitivity -	11	15	19	MHz/V	X	
Output Power -	-2	1	4	dBm	X	
Output Phase Noise:						
10 kHz		-115	-109	dBc/Hz		
100 kHz		-135	-129	dBc/Hz	X	
Power Supply -	5.4	5.7	6	Volts		
Supply Current -		16	20	mA	X	
Harmonic Suppression:						
2nd Harmonic		-15	-10	dBc	X	
3rd Harmonic		-20	-15	dBc	X	
Spurious (Non-Harmonic) -			-100	dBc		
Frequency Pushing - 5.4-6.0 V		1	2	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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