

## VCO Product Specification

**Model:** VCO190-1525T      **Rev:** B      **Date:** 4/21/2003  
**Customer:** VARI-L COMPANY  
**Operating Temperature Range:** ( -35 ° to 85 ° C)

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	1250	1525	1800	MHz	X	
Tuning Voltage:						
1250 MHz	1	1.5		Vdc	X	
1800 MHz		11	15	Vdc	X	
Tuning Sensitivity -	25	45	65	MHz/V	X	
Output Power -	7	9.5	12	dBm	X	
Output Phase Noise:						
10 kHz		-96	-90	dBc/Hz		
100 kHz		-118	-112	dBc/Hz	X	
Power Supply -	7.75	8	8.25	Volts		
Supply Current -		26	35	mA	X	
Harmonic Suppression:						
2nd Harmonic		-14	-10	dBc	X	
3rd Harmonic		-16	-10	dBc	X	
Spurious (Non-Harmonic) -			-90	dBc		
Frequency Pushing - 7.75-8.25 V		3	5	MHz p-p		
Frequency Pulling - 12 dB RL		1	5	MHz p-p		
Tuning Port Capacitance -		33		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