

## VCO Product Specification

**Model:** VCO190-150T **Rev:** C **Date:** 4/21/2003

**Customer:** VARI-L COMPANY

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

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	100	150	200	MHz	X	
Tuning Voltage:						
100 MHz	1			Vdc	X	
200 MHz		15	16	Vdc	X	
Tuning Sensitivity -	4	7	10	MHz/V	X	
Output Power -	-3	0	3	dBm	X	
Output Phase Noise:						
10 kHz		-114	-105	dBc/Hz		
100 kHz		-134	-125	dBc/Hz	X	
Power Supply -	4.75	5	5.25	Volts		
Supply Current -		10	15	mA	X	
Harmonic Suppression:						
2nd Harmonic		-15	-8	dBc	X	
3rd Harmonic		-11	-8	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 4.75-5.25 V		1.5	2	MHz p-p		
Frequency Pulling - 12 dB RL		0.3	1	MHz p-p		
Tuning Port Capacitance -		220		pF		
Output Impedance -		50		$\Omega$		

### Package Information

Package Type:	T	Drawing Number:	60035
Dimensions:	0.5 x 0.5 x 0.223 inches	Drawing Revision:	E

### Comments

**X** Indicates parameter to be tested 100% in production