

VCO Product Specification

Model: VCO190-550T **Rev:** B **Date:** 4/22/2003

Customer: VARI-L COMPANY

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

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	500	550	600	MHz	X	
Tuning Voltage:						
500 MHz	1	1.5		Vdc	X	
600 MHz		8	9	Vdc	X	
Tuning Sensitivity -	10	17	25	MHz/V	X	
Output Power -	-3	0	3	dBm	X	
Output Phase Noise:						
10 kHz		-106	-100	dBc/Hz		
100 kHz		-130	-124	dBc/Hz	X	
Power Supply -	4.75	5	5.25	Volts		
Supply Current -		10	14	mA	X	
Harmonic Suppression:						
2nd Harmonic		-17	-10	dBc	X	
3rd Harmonic		-20	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 4.75-5.25 V		0.5	2	MHz p-p		
Frequency Pulling - 12 dB RL		0.8	2	MHz p-p		
Tuning Port Capacitance -		82		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