



VCO Product Specification

Model: VCO190-1055T **Rev:** A **Date:** 4/17/2003

Customer: VARI-L COMPANY

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

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	1030	1055	1080	MHz	X	
Tuning Voltage:						
1030 MHz	0.5	1.5		Vdc	X	
1080 MHz		3.5	4.5	Vdc	X	
Tuning Sensitivity -	20	25	40	MHz/V	X	
Output Power -	0	3	6	dBm	X	
Output Phase Noise:						
10 kHz		-106	-100	dBc/Hz		
100 kHz		-126	-120	dBc/Hz	X	
Power Supply -	4.75	5	5.25	Volts		
Supply Current -		15	20	mA	X	
Harmonic Suppression:						
2nd Harmonic		-15	-10	dBc	X	
3rd Harmonic		-15	-10	dBc	X	
Spurious (Non-Harmonic) -			-90	dBc		
Frequency Pushing - 4.75-5.25 V		2	5	MHz p-p		
Frequency Pulling - 12 dB RL		2	5	MHz p-p		
Tuning Port Capacitance -		47		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

4895 Peoria Street Denver, CO 80239 tel: 303.371.1560 fax: 303.371.0845 sales @ vari-l.com	Our Products Include:	PLL Synthesizer Modules	Narrow-Band Voltage Controlled Oscillators	ISO 9001 Certified
		Wide-Band Voltage Controlled Oscillators	Couplers	
Contact the Vari-L Sales Department for custom solutions to your RF and microwave component assembly needs.				
Vari-L Company, Inc. www.vari-l.com				