

VCO Product Specification

Model: VCO790-1500T **Rev:** C **Date:** 4/17/2003
Customer: VARI-L COMPANY
Operating Temperature Range: (-40 ° to -85 ° C)

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	1000	1500	2000	MHz	X	
Tuning Voltage:						
1000 MHz	0.5	2.2		Vdc	X	
2000 MHz		18	20	Vdc	X	
Tuning Sensitivity:						
1000 MHz	50	70	90	MHz/V	X	
1250 MHz	50	70	90	MHz/V	X	
1500 MHz	55	75	95	MHz/V	X	
1750 MHz	55	75	95	MHz/V	X	
2000 MHz	44	59	74	MHz/V	X	
Output Power -	3	6	9	dBm	X	
Output Phase Noise:						
10 kHz		-100	-95	dBc/Hz		
100 kHz		-120	-115	dBc/Hz	X	
Power Supply -	4.75	5	5.25	Volts	X	
Supply Current -		25	30	mA	X	
Harmonic Suppression:						
2nd Harmonic		-9	-5	dBc	X	
3rd Harmonic		-18	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 4.75-5.25 V		2.5	5	MHz p-p		
Frequency Pulling - 12 dB RL		7	10	MHz p-p		
Tuning Port Capacitance -		100		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