



VCO Product Specification

Model: VCO190-2450AT **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 -	2400	2450	2500	MHz	X	
Tuning Voltage:						
2400 MHz	1	1.5		Vdc	X	
2500 MHz		3.5	4	Vdc	X	
Tuning Sensitivity -	42	50	65	MHz/V	X	
Output Power -	-3	0	3	dBm	X	
Output Phase Noise:						
10 kHz		-97	-91	dBc/Hz		
100 kHz		-117	-111	dBc/Hz	X	
Power Supply -	4.25	4.5	4.75	Volts		
Supply Current -		11	15	mA	X	
Harmonic Suppression:						
2nd Harmonic		-15	-10	dBc	X	
3rd Harmonic		-20	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 4.25-4.75 V		1.5	3	MHz p-p		
Frequency Pulling - 12 dB RL		3.5	5	MHz p-p		
Tuning Port Capacitance -		22		pF		
Output Impedance -		50		Ω		

Package Information

Package Type:	T	Drawing Number:	60035
Dimensions:	0.5 x 0.5 x 0.1 inches	Drawing Revision:	E

Comments

X Indicates parameter to be tested 100% in production

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		Wide-Band Voltage Controlled Oscillators	Couplers	
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