

VCO Product Specification

Model: VCO191-2650U **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 -	2600	2650	2700	MHz	X	
Tuning Voltage:						
2600 MHz	0.4	0.8		Vdc	X	
2700 MHz		2.2	2.7	Vdc	X	
Tuning Sensitivity -	60	72	85	MHz/V	X	
Output Power -	-6	-3	0	dBm	X	
Output Phase Noise:						
10 kHz		-93	-86	dBc/Hz		
100 kHz		-115	-109	dBc/Hz	X	
Power Supply -	2.85	3	3.15	Volts		
Supply Current -		7	9	mA	X	
Harmonic Suppression:						
2nd Harmonic		-15	-10	dBc	X	
3rd Harmonic		-20	-10	dBc	X	
Spurious (Non-Harmonic) -			-90	dBc		
Frequency Pushing - 2.85 to 3.15 V		1.5	2	MHz p-p		
Frequency Pulling - 12 dB RL		3	4	MHz p-p		
Tuning Port Capacitance -		22		pF		
Output Impedance -		50		Ω		

Package Information

Package Type:	U	Drawing Number:	60036
Dimensions:	0.374 x 0.374 x 0.13 inches	Drawing Revision:	E

Comments

X Indicates parameter to be tested 100% in production