



VCO Product Specification

Model: VCO191-1960U **Rev:** C **Date:** 4/17/2003

Customer: VARI-L COMPANY

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

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	1930	1960	1990	MHz	X	
Tuning Voltage:						
1930 MHz	0.5	0.7		Vdc	X	
1990 MHz		2.4	2.7	Vdc	X	
Tuning Sensitivity -	35	45	55	MHz/V	X	
Output Power -	-6	-3	0	dBm	X	
Output Phase Noise:						
10 kHz		-96	-90	dBc/Hz		
100 kHz		-118	-112	dBc/Hz	X	
Power Supply -	2.85	3	3.15	Volts		
Supply Current -		7	9	mA	X	
Harmonic Suppression:						
2nd Harmonic		-11	-8	dBc	X	
3rd Harmonic		-25	-15	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 2.85-3.15 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

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		Wide-Band Voltage Controlled Oscillators	Couplers	
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