

VCO Product Specification

Model: VCO191-450U **Rev:** A **Date:** 4/21/2003

Customer: VARI-L COMPANY

Operating Temperature Range: (0 ° to 70 ° C)

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	435	450	465	MHz	X	
Tuning Voltage:						
435 MHz	0.5	1		Vdc	X	
465 MHz		2.5	3	Vdc	X	
Tuning Sensitivity -	16	20	27	MHz/V	X	
Output Power -	-3	0	3	dBm	X	
Output Phase Noise:						
10 kHz		-110	-104	dBc/Hz		
100 kHz		-132	-126	dBc/Hz	X	
Power Supply -	2.85	3	3.15	Volts		
Supply Current -		11	20	mA	X	
Harmonic Suppression:						
2nd Harmonic		-15	-10	dBc	X	
3rd Harmonic		-15	-10	dBc	X	
Spurious (Non-Harmonic) -			-90	dBc		
Frequency Pushing - 2.85 to 3.15 V		0.5	2	MHz p-p		
Frequency Pulling - 12 dB RL		1	2	MHz p-p		
Tuning Port Capacitance -		100		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