



VCO Product Specification

Model: VCO190-435MT **Rev:** A **Date:** 4/22/2003

Customer: SIRENZA MICRODEVICES, INC.

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

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	400	435	470	MHz	X	
Tuning Voltage:						
400 MHz	1	1.5		Vdc	X	
470 MHz		7	8	Vdc	X	
Tuning Sensitivity -	10	14	18	MHz/V	X	
Output Power -	-3	0	3	dBm	X	
Output Phase Noise:						
10 kHz		-116	-110	dBc/Hz		
100 kHz		-138	-132	dBc/Hz	X	
Power Supply -	7.75	8	8.25	Volts		
Supply Current -		10	15	mA	X	
Harmonic Suppression:						
2nd Harmonic		-13	-8	dBc	X	
3rd Harmonic		-20	-10	dBc	X	
Spurious (Non-Harmonic) -			-80	dBc		
Frequency Pushing - 7.75-8.25 V		0.7	2	MHz p-p		
Frequency Pulling - 12 dB RL		0.7	2	MHz p-p		
Tuning Port Capacitance -		100		pF		
Output Impedance -		50		Ω		
Modulation:						
Bandwidth	0.05		3	kHz		
Deviation	7		13	kHz/Vp-p		
Input Impedance	3			kΩ		
Distortion			1	%		

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

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