



VCO Product Specification

Model: VCO190-1150T **Rev:** D **Date:** 4/21/2003

Customer: SIRENZA MICRODEVICES, INC.

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

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	900	1150	1400	MHz	X	
Tuning Voltage:						
900 MHz	0.5	1		Vdc	X	
1400 MHz		11	12	Vdc	X	
Tuning Sensitivity -	30	50	70	MHz/V	X	
Output Power -	-3	0	3	dBm	X	
Output Phase Noise:						
10 kHz		-102	-94	dBc/Hz		
100 kHz		-122	-114	dBc/Hz	X	
Power Supply -	7.75	8	8.25	Volts		
Supply Current -		14	20	mA	X	
Harmonic Suppression:						
2nd Harmonic		-11	-8	dBc	X	
3rd Harmonic		-11	-8	dBc	X	
Spurious (Non-Harmonic) -			-90	dBc		
Frequency Pushing - 7.75-8.25 V		3	5	MHz p-p		
Frequency Pulling - 12 dB RL		4	10	MHz p-p		
Tuning Port Capacitance -		47		pF		
Output Impedance -		50		Ω		

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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