



VCO Product Specification

Model: VCO190-548T(Y) **Rev:** P3 **Date:** 11/28/2005

Customer: SIRENZA MICRODEVICES, INC.

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

Pb RoHS Compliant

To order models as RoHS Compliant add "Y" suffix to base model number.

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	535	548	560	MHz	X	
Tuning Voltage:						
535 MHz	0.5	1.5		Vdc	X	
560 MHz		3.5	4.8	Vdc	X	
Tuning Sensitivity -	12	16	20	MHz/V	X	
Output Power -	0	3	6	dBm	X	
Output Phase Noise:						
10 kHz		-110	-104	dBc/Hz		
100 kHz		-132	-126	dBc/Hz	X	
Power Supply -	4.75	5	5.25	Volts		
Supply Current -		12	16	mA	X	
Harmonic Suppression:						
2nd Harmonic		-11	-8	dBc	X	
3rd Harmonic		-15	-10	dBc	X	
Spurious (Non-Harmonic) -			-90	dBc		
Frequency Pushing - 4.75-5.25 V		1	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:	T (0.5 x 0.5 x 0.156 inches)	Drawing Number:	60035
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Comments

X Indicates parameter to be tested 100% in production

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