



VCO Product Specification

Model: VCO190-3175T(Y) **Rev:** P1 **Date:** 9/30/2005

Customer: SIRENZA MICRODEVICES

Operating Temperature Range: (-40 ° 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 -	3100	3175	3250	MHz	X	
Tuning Voltage:						
3100 MHz	1	2		Vdc	X	
3250 MHz		8	10	Vdc	X	
Tuning Sensitivity -	10	30	50	MHz/V	X	
Output Power -	2	5	8	dBm	X	
Output Phase Noise - 100 kHz		-117	-110	dBc/Hz	X	
Power Supply -	4.9	5	5.1	Volts	X	
Supply Current -		25	40	mA	X	
Harmonic Suppression:						
2nd Harmonic		-15	-10	dBc	X	
3rd Harmonic		-20	-10	dBc	X	
Spurious (Non-Harmonic) -			-90	dBc		
Frequency Pushing - 4.9-5.1V		3	5	MHz p-p		
Frequency Pulling - 12dB RL		6	8	MHz p-p		
Tuning Port Capacitance -		4.7		pF		
Output Impedance -		50		Ω		

Package Information

Package Type:	T (0.5 x 0.5 x 0.223 inches)	Drawing Number:	60035
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Comments

X Indicates parameter to be tested 100% in production

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