



VCO Product Specification

Model: VCO190-492T(Y) **Rev:** B **Date:** 8/16/2006
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 -	466	492	517	MHz	X	
Tuning Voltage:						
466 MHz	0.6	1		Vdc	X	
517 MHz		4	4.4	Vdc	X	
Tuning Sensitivity -	14	18	22	MHz/V	X	
Output Power -	0	3	6	dBm	X	
Output Phase Noise:						
10 kHz		-117	-106	dBc/Hz		
100 kHz		-137	-131	dBc/Hz	X	
Power Supply -	7.75	8	8.25	Volts		
Supply Current -		14	25	mA	X	
Harmonic Suppression:						
2nd Harmonic		-13	-10	dBc	X	
3rd Harmonic		-20	-10	dBc	X	
Spurious (Non-Harmonic) -			-90	dBc		
Frequency Pushing - 7.75-8.25 V		0.3	1	MHz p-p		
Frequency Pulling - 12 dB RL		0.75	1	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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