



VCO Product Specification

Model: VCO190-1815T(Y) **Rev:** **Date:** 8/31/2006

Customer: SIRENZA MICRODEVICES, INC.

Operating Temperature Range: (0 ° to 70 ° 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 -	1690	1815	1940	MHz	X	
Tuning Voltage:						
1690 MHz	1	1.5		Vdc	X	
1940 MHz		8	10	Vdc	X	
Tuning Sensitivity -	30	40	60	MHz/V	X	
Output Power -	4	7	10	dBm	X	
Output Phase Noise:						
10 kHz		-100	-94	dBc/Hz		
100 kHz		-120	-114	dBc/Hz	X	
Power Supply -	11	11.5	12	Volts		
Supply Current -		30	35	mA	X	
Harmonic Suppression:						
2nd Harmonic		-18	-12	dBc	X	
3rd Harmonic		-20	-12	dBc		
Spurious (Non-Harmonic) -			-90	dBc		
Frequency Pushing - 11 to 12 V		6	10	MHz p-p		
Frequency Pulling - 12 dB RL		1	5	MHz p-p		
Tuning Port Capacitance -		33		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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