



## PLL Product Specification

**Model:** PLL300-1668(Y)      **Rev:** P3      **Date:** 9/1/2006  
**Customer:** SIRENZA MICRODEVICES, INC.      **AppNote:** 113 Option 207000  
**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 -	1630	1668	1705	MHz	X	
Step Size -		200		kHz	X	
Settling Time - to within 1.0 kHz		0.4	0.5	mSec		
Output Power -	2	5	8	dBm	X	
Output Phase Noise:						
10 kHz		-78	-70	dBc/Hz		
800 kHz		-136	-130	dBc/Hz	X	
Power Supply -	4.75	5	5.25	Volts		
Supply Current -		50	60	mA	X	
Spurious Product - 200 kHz		-80	-65	dBc	X	
Reference Feedthrough -		-70	-60	dBc		
Harmonic Suppression:						
2nd Harmonic		-20	-10	dBc	X	
3rd Harmonic		-30	-10	dBc	X	
Ref Osc Signal:						
Frequency		10		MHz		
Amplitude	3		5	Vp-p		
Phase Noise - 1 kHz		-145		dBc/Hz		
Input Impedance		100		kΩ		
Output Impedance -		50		Ω		

### Package Information

Package Type:	PLL300 (0.75 x 0.75 x 0.137 inches)	Drawing Number:	60144
---------------	--	-----------------	-------

### Comments

**X** Indicates parameter to be tested 100% in production

Performance tests and ratings for Sirenza Microdevices' products were performed internally by Sirenza and measured using specific computer systems and/or components and reflect the approximate performance of the the products as measured by those tests. Any difference in circuit implementation, test software, or test equipment may affect actual performance. The information provided herein is believed to be reliable at press time and Sirenza Microdevices assumes no responsibility for the use of this information. All such use shall be entirely at the user's own risk. Prices and specifications for Sirenza Microdevices' products are subject to change without notice. Buyers should consult Sirenza Microdevices' standard terms and conditions of sale for Sirenza's limited warranty with regard to its products. These products may be patented or include patented technology. No patent rights or licenses to any of the circuits described herein are implied or granted to any third party. Sirenza Microdevices does not authorize or warrant any product for use in life-support devices and/or systems.