



## PLL Product Specification

**Model:** PLL400-1681(Y)      **Rev:** P3      **Date:** 9/1/2006

**Customer:** SIRENZA  
MICRODEVICES, INC.      **AppNote:** 109, Opt. 100

**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 -	1651	1681	1711	MHz	X	
Step Size -		200		kHz	X	
Settling Time - To within 1.0 kHz		4	10	mSec	X	
Output Power -	-2	1	4	dBm	X	
Output Phase Noise:						
100 kHz		-125	-119	dBc/Hz		
600 kHz		-143	-137	dBc/Hz	X	
Power Supply -	4.9	5	5.1	Volts		
Supply Current -		25	35	mA	X	
Spurious Product - 600 kHz		-95	-90	dBc	X	
Reference Feedthrough -		-90	-80	dBc		
Harmonic Suppression:						
2nd Harmonic		-15	-10	dBc	X	
3rd Harmonic		-20	-10	dBc	X	
Ref Osc Signal:						
Frequency		10		MHz		
Amplitude	3		5	Vp-p		
Phase Noise -		-145		dBc/Hz		
Input Impedance		100		kΩ		
Output Impedance -		50		Ω		

### Package Information

Package Type:	PLL400 (0.6 x 0.6 x 0.14 inches)	Drawing Number:	60080
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### Comments

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

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