



PLL Product Specification

Model: PLL300-1200(Y) **Rev:** P3 **Date:** 9/1/2006
Customer: SIRENZA MICRODEVICES, INC. **AppNote:** 109, Opt. 101
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 -	950	1200	1450	MHz	X	
Step Size -		250		kHz	X	
Settling Time - To within 1.0kHz		5	10	mSec		
Output Power -	-3	0	3	dBm	X	
Output Phase Noise:						
1 kHz		-80	-70	dBc/Hz		
10 kHz		-80	-70	dBc/Hz		
55 kHz		-100	-94	dBc/Hz	X	
100 kHz		-110	-104	dBc/Hz		
Power Supply:						
VCO+PLL, Pin 15	4.75	5	5.25	Volts		
OP Amp, Pin 9	14.75	15	15.25	Volts		
Supply Current:						
VCO+PLL		35	45	mA	X	
OP Amp		6	15	mA		
Spurious Product - 250 kHz		-60	-50	dBc	X	
Reference Feedthrough -		-60	-50	dBc		
Harmonic Suppression:						
2nd Harmonic		-12	-8	dBc	X	
3rd Harmonic		-15	-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
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Comments

X Indicates parameter to be tested 100% in production

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