



PLL Product Specification

Model: PLL300-1018(Y) **Rev:** P4 **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 -	1000	1018	1036	MHz	X	
Step Size -		200		kHz	X	
Settling Time - to within 1.0 kHz		0.4	0.5	mSec		
Output Power -	4	7	10	dBm	X	
Output Phase Noise:						
10 kHz		-90	-80	dBc/Hz		
800 kHz		-150	-144	dBc/Hz	X	
Power Supply -	4.75	5	5.25	Volts		
Supply Current -		45	60	mA	X	
Spurious Product - 200 kHz		-80	-60	dBc	X	
Reference Feedthrough -		-70	-60	dBc		
Harmonic Suppression:						
2nd Harmonic		-15	-10	dBc	X	
3rd Harmonic		-22	-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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