PLL Product Specification

PRELIM

Model: PLL400-744(Y) **Rev:** P4 **Date:** 9/1/2006

Customer: SIRENZA MICRODEVICES, INC. **AppNote:** 113, Opt. 207000

Operating Temperature Range: (-35 ° to 85 ° C)

RoHS Compliant

To order models as RoHS Compliant add "Y" suffix to base model number.

Parameter	Min	Typ	Max	Units	X	Remarks
Frequency Range -	726	744	761	MHz	X	
Step Size -		200		kHz	X	
Settling Time - To within 1 kHz		3	10	mSec		
Output Power -	3	6	9	dBm	X	
Output Phase Noise:						
1 kHz		-87	-81	dBc/Hz		
100 kHz		-135	-129	dBc/Hz	X	
Power Supply -	4.9	5	5.1	Volts		
Supply Current -		45	50	mA	X	
Spurious Product - 200 kHz		-80	-75	dBc	X	
Reference Feedthrough -		-95	-90	dBc		
Harmonic Suppression:						
2nd Harmonic		-15	-10	dBc	X	
3rd Harmonic		-20	-15	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:	PLL400 (0.6 x 0.6 x 0.14 inches)	Drawing Number:	60080

Comments

X Indicates parameter to be tested 100% in production

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