PLL Product Specification

PRELIM

Model: PLL350-2444(Y) **Rev:** P2 **Date:** 9/1/2006

Customer: SIRENZA MICRODEVICES **AppNote:** 113 Option 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 -	2344		2544	MHz	X	
Step Size -		250		kHz	X	
Settling Time -		10	50	mSec		to within 1kHz
Output Power -	-4	-1	2	dBm	X	
Output Phase Noise - 10 kHz		-93	-85	dBc/Hz	X	
Power Supply:						
	4.9	5	5.1	Volts	X	VCO and CP
	3.15	3.3	3.45	Volts	X	PLL IC
Supply Current:						
		30	50	mA	X	VCO and CP
		15	20	mA	X	PLL IC
Spurious Product - 250 kHz		-80	-70	dBc	X	
Reference Feedthrough -		-80	-65	dBc		
Harmonic Suppression:						
2nd Harmonic		-25	-20	dBc	X	
Ref Osc Signal:						
Frequency		30		MHz		
Amplitude	0.8		3.3	Vp-p		
Phase Noise - 1 kHz		-145		dBc/Hz		
Input Impedance		100		kΩ		
Output Impedance -		50		Ω		Nominal

Package Information

Package Type:	PLL350 (0.8 x 0.582 x 0.154 inches)	Drawing Number:	61054

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.

Sirenza Microdevices, Inc. 303 S. Technology Ct. Broomfield, CO 80021 tel 303.327.3030 fax 303.410.7988