



PLL Product Specification

Model: PLL800-5250(Y) **Rev:** **Date:** 9/1/2006

Customer: SIRENZA
MICRODEVICES, INC. **AppNote:** 112, 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 -	5200	5250	5300	MHz	X	
Step Size -		1000		kHz	X	
Settling Time - To within 1.0 kHz		5	8	mSec		
Output Power -	-3	0	3	dBm	X	
Output Phase Noise:						
1 kHz		-64	-57	dBc/Hz		
10 kHz		-82	-75	dBc/Hz		
100 kHz		-105	-99	dBc/Hz	X	
Power Supply -	4.75	5	5.25	Volts		
Supply Current -		45	55	mA	X	
Spurious Product - 1000 kHz		-80	-70	dBc	X	
Reference Feedthrough -		-80	-70	dBc		
Harmonic Suppression:						
2nd Harmonic		-20	-10	dBc	X	
3rd Harmonic		-40	-10	dBc	X	
Ref Osc Signal:						
Frequency		10		MHz		
Amplitude	0.4		2	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
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Comments

X Indicates parameter to be tested 100% in production

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