



PLL Product Specification

Model: PLL350-1842(Y) **Rev:** P4 **Date:** 9/1/2006
Customer: SIRENZA MICRODEVICES, INC. **AppNote:** 113, Opt. 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 -	1805	1842	1880	MHz	X	
Step Size -		200		kHz	X	
Settling Time - To within 1.0 kHz		0.4	0.5	mSec		
Output Power -	0	3	6	dBm	X	
Output Phase Noise:						
1 kHz		-84	-78	dBc/Hz		
100 kHz		-114	-108	dBc/Hz		
800 kHz		-142	-136	dBc/Hz	X	
Power Supply:						
VCO	4.75	5	5.25	Volts		
PLL IC	2.9	3	3.1	Volts		
Supply Current:						
VCO		35	50	mA	X	
PLL IC		10	15	mA		
Spurious Product - 200 kHz		-85	-70	dBc	X	
Reference Feedthrough -		-85	-70	dBc		
Harmonic Suppression:						
2nd Harmonic		-25	-15	dBc	X	
3rd Harmonic		-30	-20	dBc	X	
Ref Osc Signal:						
Frequency		10		MHz		
Amplitude	0.4		3	Vp-p		
Phase Noise - 1 kHz		-145		dBc/Hz		
Input Impedance		100		kΩ		
Output Impedance -		50		Ω		

Package Information

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

X Indicates parameter to be tested 100% in production

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